



**Acco Babcock Inc.**  
**Material Handling Group**

Issued 7-1-87  
Supersedes 10-1-85

33-101

**WRIGHT®**  
**Work-rated**  
**ELECTRIC WINCHES**  
**CAPACITIES ½ TON to 5 TON**

Wright family of "Work-rated" winches is a complete line of electric wire rope winches. It is an advanced design incorporating the most recent materials and concept. Current duty cycle and safety requirements of users are built into this line, not added on.

**CONSTRUCTION FEATURES:**

**CONTROLS:** Controls are magnetic reversing type, mechanically and electrically interlocked with 115 volt control circuit. All wiring conforms to applicable NEC and CSA requirements. Included are time delay fuses for branch circuit overcurrent protection and motor running overcurrent protection. NEMA Type 3R enclosures are standard. Cover is lightweight, tough ABS material, deep-drawn for maximum control accessibility. Controls are shipped loose for customer mounting.

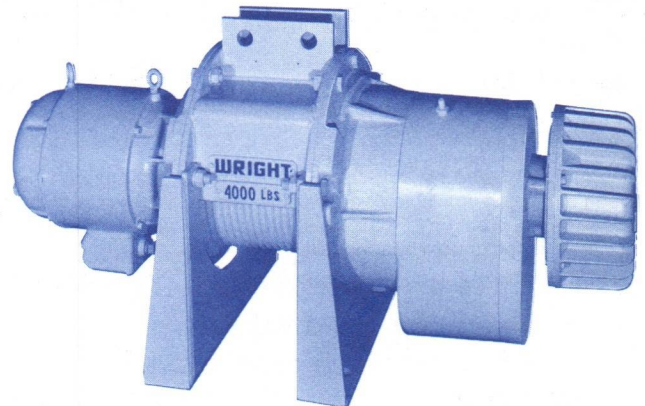
**MOTOR:** Standard NEMA flange, Class F insulation, 30-minute duty motor is provided for standard commercial power supplies. The motor has a standard NEMA shaft extension.

**GEAR TRAIN:** Quiet, compact helical gearing and external spur drum gear are enclosed in the same oil-tight housing. All gearing is machine cut, heat-treated alloy steel with shock-resistant ductile cores. Gearing is designed to AGMA standards for maximum life, and operates in an oil bath. Rugged aluminum alloy housing provides rapid heat dissipation.

**BEARINGS:** Precision heavy-duty ball bearings support all shafts. All bearings are either splash lubricated, or lifetime pre-lubricated and sealed.

**DRUM:** The large diameter steel drum has deep machined grooves and large flanges. At least two full turns of rope remain on the drum at rated drum winding capacity. Load capacity of each winch is rated at *total* line pull of the lead wire rope off the winch's drum. A single line winch has one lead of wire rope off the drum rated at full capacity. A double line winch has two leads of wire rope off hoist drum with a capacity of one half hoist rated capacity.

**MECHANICAL LOAD BRAKE:** Automatic Weston-type multiple disc brake can hold a full capacity load independent of motor brake. This brake assures that load does not accelerate while being lowered. No wear compensation adjustment is required.



**MOTOR BRAKE:** Wright rectified d-c magnet-actuated disc brake has been proved in millions of hours of in-service operation. It delivers rapid stops with minimum or zero hook drift. Series 3200000 thru 3500000 hoist have aluminum alloy brake cover with fins; and brake is separated from gear housing for rapid cooling. This multiple coil brake is rated a minimum of 150% of full load motor torque.

Series 3200000 thru 3500000 hoist also have an exclusive brake-sensing switch that prevents the motor from operating against the brake should brake adjustment be necessary.

**OVERLOAD CUTOFF:** Exclusive patented Wright unit is not available on winches.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.



# 1/2 to 5 TON WINCHES

## HOW TO SPECIFY A *Work-rated* WINCH

**1. DETERMINE THE CAPACITY, NUMBER OF LINES, LIFTING SPEED, AND WIRE ROPE LEAD OFF POSITION FOR YOUR APPLICATION.** *Work-rated* winches may be reeved in various ways to gain desired mechanical advantages. The chart on the facing page illustrates characteristics of each type of reeving.

Reeving may change capacity, lifting distances, lifting speeds, and cable size.

Reeving terminology is either "single" or "double" which refers to the number of wire ropes coming from the drum.

Another word is "part" which refers to the mechanical advantage gained by multiple reeving. For example, with one part single reeving (1PS), the load is supported by one part of a single rope. By reeving single rope into two parts (2 part single) the load is distributed over the two parts and the mechanical advantage doubles the capacity of one part reeving and reduces by one half the lifting or lowering speed of the hook.

**2. SPECIFY WINCH SERVICE CLASSIFICATION.** *Wright* electric winches are *Work-rated* according to their design capabilities to provide the user with maximum performance for minimum maintenance and down time. See Master Catalog Section 32-A through H for performance specification.

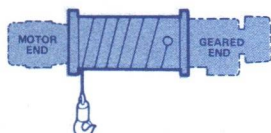
**3. SPECIFY PROPER PRODUCT NUMBER** in regards to winch capacity, drum winding capacity, lifting speed and hoist control found in following pages.

Winches are grouped by load capacity. All winches are one part single reeved (1PS) in either single or double line models. When dual information is shown, the bold information is for single line winches and smaller information is for double line models.

**4. SPECIFY EITHER SINGLE LINE OR DOUBLE LINE MODEL.**

**5. SPECIFY DRUM REEVEING ARRANGEMENTS.**

### SINGLE LINE REEVEING ARRANGEMENTS

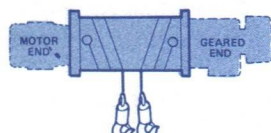


Standard Arrangement

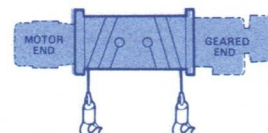


AA Arrangement

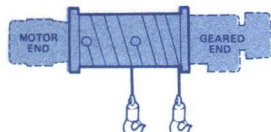
### DOUBLE LINE REEVEING ARRANGEMENTS



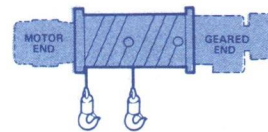
BB Arrangement



CC Arrangement



DD Arrangement

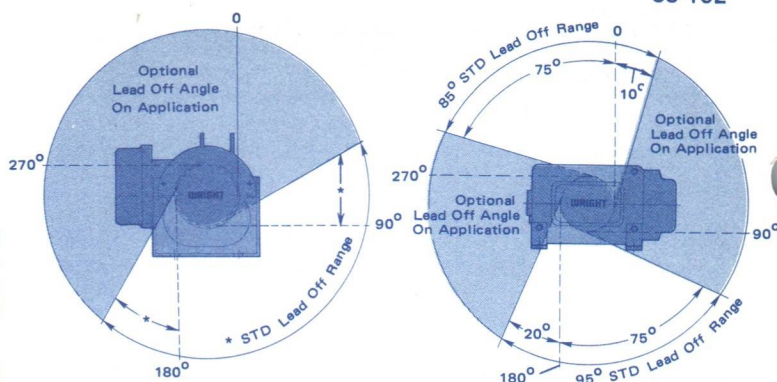


EE Arrangement

Arrangements AA, CC, DD & EE are non-standard. Prices are on application.

**6. DETERMINE IF STANDARD LINE LEADOFF ANGLE IS APPROPRIATE.** *Work-rated* winches are designed with a standard range or ranges of leadoff angles. See the above illustration for location of the standard range.

If any of desired leadoff angle falls into optional shaded area, the factory must be consulted for fabrication and additional pricing factors. Specify the desired angle range viewed from the gearing/motor brake end of winch. State angle in EXACT degree clockwise from zero vertical leadoff position as shown. If a range of degrees is required, state both limits in degrees.



PRODUCT SERIES 32-35 WINCHES PRODUCT SERIES 36 WINCHES

\*Angles vary with PRODUCT SERIES. See specific pages for standard angles.

**7. SPECIFY THE WIRE ROPE.** *Work-rated* winches are not furnished with wire rope but are available with wire rope as optional equipment. Wire rope on all winches is 6 x 37 preformed. Certain applications may require non rotating cable, 18 x 7 construction. Prices for non rotating cable are available on application. Specify the wire rope by total length, diameter, and desired fittings.

**LENGTH.** Total length of wire rope is the sum of the following:

- ☐ (b) Length for two remaining wraps
- ☐ Rated drum winding capacity
- ☐ Additional length for reeving
- ☐ Total length in feet

(a) Hoist Product Series	(b) Length for 2 Remaining Wraps
32	4'-6"
33	5'-6"
34	6'-7"
35	7'-3"
36	8'-5"

(a) the first two digits of the product number (3330710) is the product series (33)

**DIAMETER.** Wire rope diameter is given for both single line and double line in top corner of each page. See Section 135 for pricing.

**8. SPECIFY CABLE FITTINGS.** The drum end (live end) cable fitting is attached to wire rope when supplied from the factory. The cable fitting is designed for easy installation and is swaged on to provide maximum security. See Master Catalog Section for pricing.

The following "DEAD END" cable fittings are available on application:

- Eye Bolt • Turn Buckle • Threaded Rod • Swivel Hook

The "DEAD END" of wire rope may be specified "OPEN" (no fittings) or with any of the above fittings.

**9. SPECIFY LOAD BLOCK AND IDLER SHEAVES.** Information and data for these items are found in Master Catalog Section 35 "Hoist Accessories and Modifications" in "G Reeving" subdivision.

**10. SPECIFY MOTOR VOLTAGE.** *Wright* standard motors are available in 200/230/460/575/3-60 power with class F insulation, and are totally enclosed non-ventilated.

**11. CONTROL.** Control is furnished as standard equipment. Additional motor and control accessories and modifications are found in Section 35 in "C Motor" and "D Controllers" subdivisions.

Control is shipped loose for customer mounting. If control mounting by ACCO is desired, contact factory for pricing.

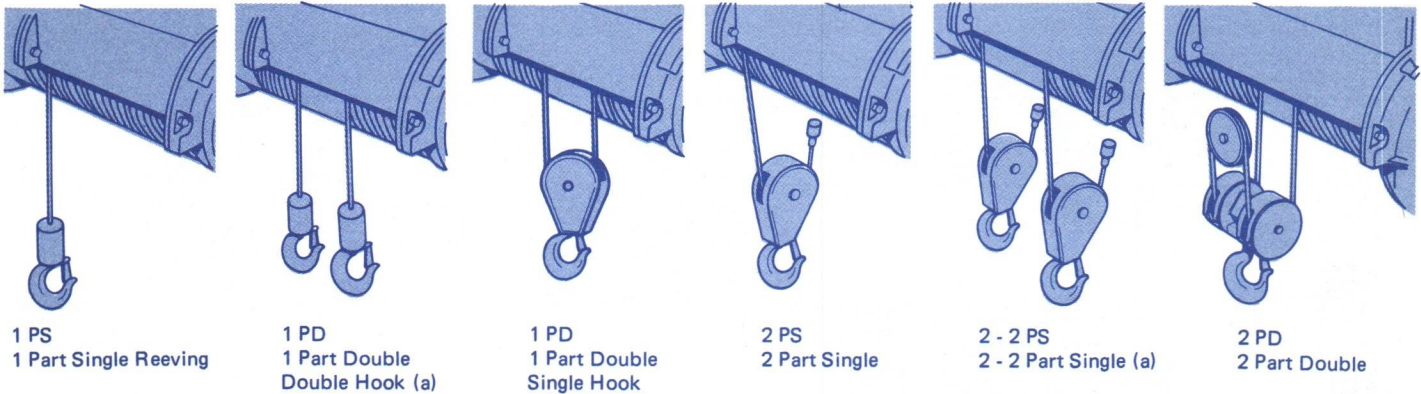
Control position shown on the following pages is standard when control is mounted by ACCO. Please note that control mounted to hoist may extend above high point of hoist (or below low point of Product Series 35 wall mounted hoist). Contact factory for control dimensions.

**12. SPECIFY PUSH BUTTON STATION.** Push button station, drop of cord and strain chain are available as optional equipment. Specify drop of push button, calculated from center line of a winch to center line of the push button. See Section 35, "F Push Button" subdivision for further specifications.

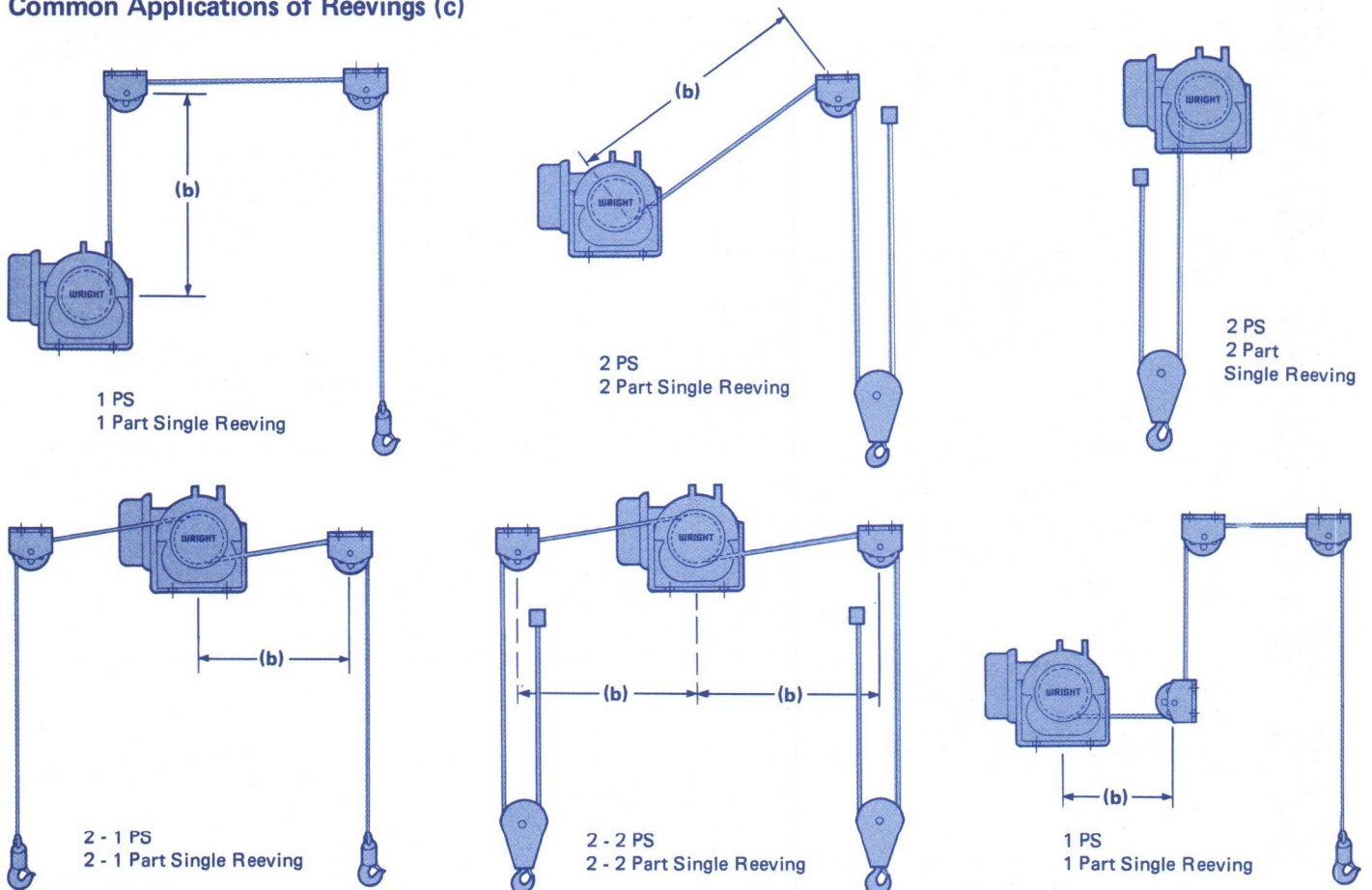
**13. SPECIFY LIMIT SWITCHES.** *Work-rated* winches are not furnished with a standard limit switch or an overload cutoff device. Geared limit switch (installed) and power circuit limit switch (shipped loose) are available as optional equipment. A separate gravity limit switch to be actuated by the bottom block or load hook assembly is recommended. Slack line limit switch is available on application. See Section 35, "E" Limit Switches, subdivision for further specifications.



## Common Types of Reeving



## Common Applications of Reeving (c)



- (a) Application involving reeving arrangements of 1 part double, double hook, and 2 - 2 part single may require some provisions be made to adjust for unequal cable strength.
- (b) The location of the first reeving sheave in relation to winch drum centerline is critical and must be located so that a 3.5 degree fleet angle is not exceeded. After selecting proper winch for your application contact factory for information on locating the first reeving sheave.
- (c) Winches used in pulling type applications should be reviewed with the factory to determine if mechanical load brake should be eliminated from winch.

**Note:** Applications involving the support of suspended loads for prolonged periods of time should be provided with a separate means to support the load. Load should not remain suspended from the winch mechanism.

A separate gravity limit switch to be actuated by the bottom block or load hook assembly is recommended.

## WINCHES

SINGLE LINE — WIRE ROPE SIZE-5/16"

DOUBLE LINE — WIRE ROPE SIZE-1/4"

33-104

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Wire Rope Speed	Winch Control	Mtg. HP	PRODUCT NUMBERS AND CLEARANCES									DD	EE
				60	60-20	60	90	90-30	90	120	120-40	120		
				Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
				2	2-2/3	2	3	3-1	3	4	4-1-1/3	4		
54 <b>H3</b>	Base Wall B C						3241130 3242630 27-3/8 27-5/8	3248820 3248940 25-3/8 27-5/8	3241140 3242640 28-1/2 27-5/8	3241250 3242750 25-3/8 27-5/8	3241260 3242760 27-3/8 27-5/8	3241270 3242770 25-3/8 27-5/8	7-5/8	7-3/4
54 <b>H4</b>	Base Wall B C			3240950 3242450 25-3/8 27-5/8	3240960 3242460 25-3/8 27-5/8	3240970 3242470 25-3/8 27-5/8							7-5/8	7-3/4
76 30 <b>H3</b>	Base Wall B C						3241150 3242650 29-3/8 29-5/8	3248830 3248950 27-3/8 29-5/8	3241160 3242660 30-1/2 29-5/8	3241280 3242780 27-3/8 29-5/8	3241290 3242790 29-3/8 29-5/8	3241300 3242800 27-3/8 29-5/8	9-5/8	9-3/4
76 30 <b>H4</b>	Base Wall B C			3240980 3242480 27-3/8 29-5/8	3240990 3242490 27-3/8 29-5/8	3241000 3242500 27-3/8 29-5/8							9-5/8	9-3/4
104 48 <b>H3</b>	Base Wall B C						3241170 3242670 31-7/8 32-1/8	3248840 3248960 29-7/8 32-1/8	3241180 3242680 33 32-1/8	3241310 3242810 29-7/8 32-1/8	3241320 3242820 31-7/8 32-1/8	3241330 3242830 29-7/8 32-1/8	12-1/8	12-1/4
104 48 <b>H4</b>	Base Wall B C			3241010 3242510 29-7/8 32-1/8	3241020 3242520 29-7/8 32-1/8	3241030 3242530 29-7/8 32-1/8							12-1/8	12-1/4
132 64 <b>H3</b>	Base Wall B C						3241190 3242690 34-3/8 34-5/8	3248850 3248970 32-3/8 34-5/8	3241200 3242700 35-1/2 34-5/8	3241340 3242840 32-3/8 34-5/8	3241350 3242850 34-3/8 34-5/8	3241360 3242860 32-3/8 34-5/8	14-5/8	14-3/4
132 64 <b>H4</b>	Base Wall B C			3241040 3242540 32-3/8 34-5/8	3241050 3242550 32-3/8 34-5/8	3241060 3242560 32-3/8 34-5/8							14-5/8	14-3/4
160 81 <b>H3</b>	Base Wall B C						3241210 3242710 36-7/8 37-1/8	3248860 3248980 34-7/8 37-1/8	3241220 3242720 38 37-1/8	3241370 3242870 34-7/8 37-1/8	3241380 3242880 36-7/8 37-1/8	3241390 3242890 34-7/8 37-1/8	17-1/8	17-1/4
160 81 <b>H4</b>	Base Wall B C			3241070 3242570 34-7/8 37-1/8	3241080 3242580 34-7/8 37-1/8	3241090 3242590 34-7/8 37-1/8							17-1/8	17-1/4
221 118 <b>H3</b>	Base Wall B C						3241230 3242730 42-3/8 42-5/8	3248870 3248990 40-3/8 42-5/8	3241240 3242740 43-1/2 42-5/8	3241400 3242900 40-3/8 42-5/8	3241410 3242910 42-3/8 42-5/8	3241420 3242920 40-3/8 42-5/8	22-5/8	22-3/4
221 118 <b>H4</b>	Base Wall B C			3241100 3242600 40-3/8 42-5/8	3241110 3242610 40-3/8 42-5/8	3241120 3242620 40-3/8 42-5/8							22-5/8	22-3/4

All dimensions shown in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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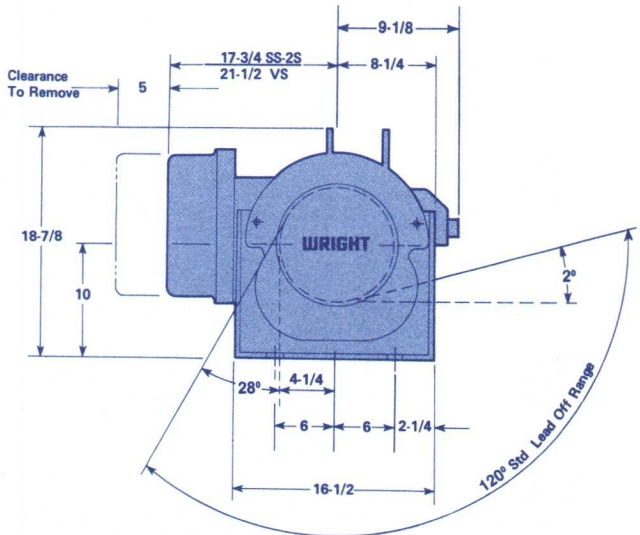
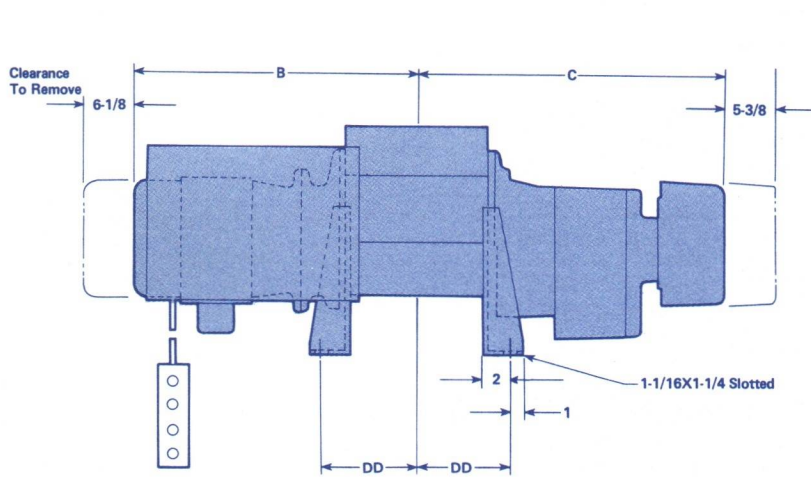




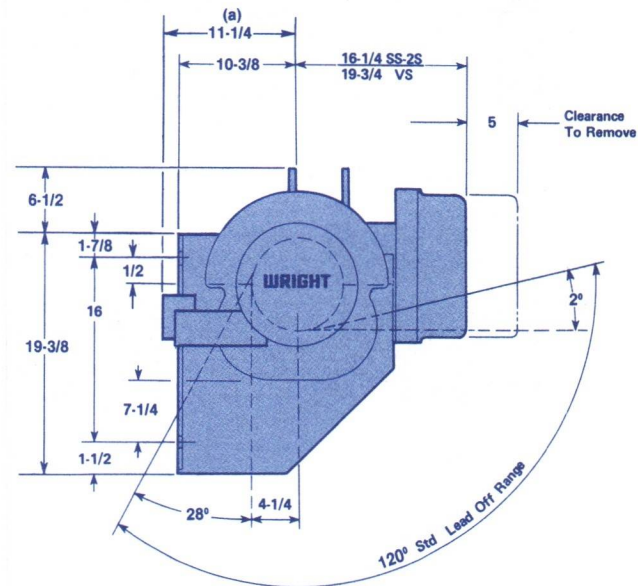
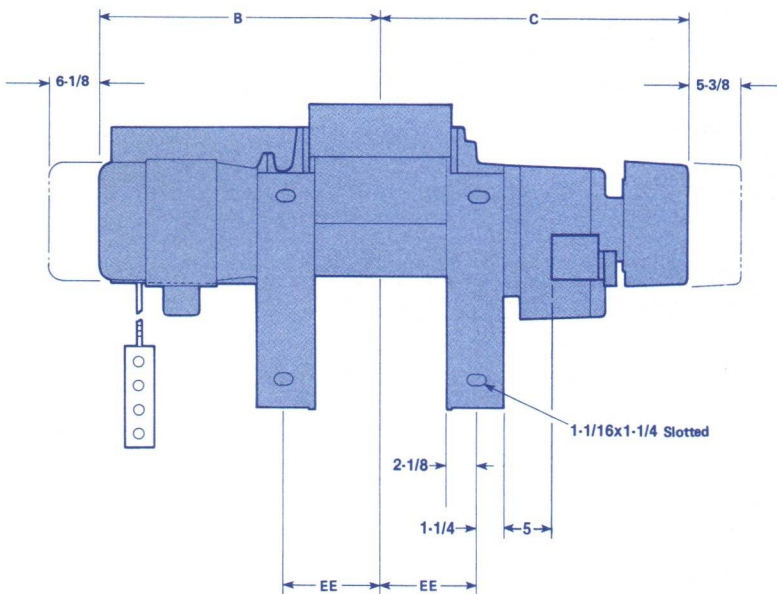
**WRIGHT® Work-rated  
ELECTRIC WINCHES**  
33-105 Issued 7-1-87

**WINCHES**  
SINGLE LINE – WIRE ROPE SIZE-5/16"  
DOUBLE LINE – WIRE ROPE SIZE-1/4"

**1/2  
TON**



### BASE MOUNTING



### WALL MOUNTING

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

(a) Optional two circuit geared limit switch shown. Add 1" for optional four circuit switch.



**3/4  
TON**

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-5/16"

DOUBLE LINE – WIRE ROPE SIZE-1/4"

33-106

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed Winch Control HP	PRODUCT NUMBERS AND CLEARANCES						DD	EE
			60	60-20	60	80	80-27	80		
			Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
			3	3-1	3	4	4-1-1/3	4		
54 <b>H3</b>	Base Wall		3241430	3241440	3241450	3241610	3248880	3241620	7-5/8	7-3/4
		B	3242930	3242940	3242950	3243110	3249000	3243120		
		C	25-3/8	25-3/8	25-3/8	25-3/8	27-3/8	25-3/8		
76 32 <b>H3</b>	Base Wall		3241460	3241470	3241480	3241630	3248890	3241640	9-5/8	9-3/4
		B	3242960	3242970	3242980	3243130	3249010	3243140		
		C	27-3/8	27-3/8	27-3/8	27-3/8	29-3/8	27-3/8		
104 48 <b>H3</b>	Base Wall		3241490	3241500	3241510	3241650	3248900	3241660	12-1/8	12-1/4
		B	3242990	3243000	3243010	3243150	3249020	3243160		
		C	29-7/8	29-7/8	29-7/8	29-7/8	31-7/8	29-7/8		
132 64 <b>H3</b>	Base Wall		3241520	3241530	3241540	3241670	3248910	3241680	14-5/8	14-3/4
		B	3243020	3243030	3243040	3243170	3249030	3243180		
		C	32-3/8	32-3/8	32-3/8	32-3/8	34-3/8	32-3/8		
160 81 <b>H3</b>	Base Wall		3241550	3241560	3241570	3241690	3248920	3241700	17-1/8	17-1/4
		B	3243050	3243060	3243070	3243190	3249040	3243200		
		C	34-7/8	34-7/8	34-7/8	34-7/8	36-7/8	34-7/8		
221 118 <b>H3</b>	Base Wall		3241580	3241590	3241600	3241710	3248930	3241720	22-5/8	22-3/4
		B	3243080	3243090	3243100	3243210	3249050	3243220		
		C	40-3/8	40-3/8	40-3/8	40-3/8	42-3/8	40-3/8		
			42-5/8	42-5/8	42-5/8	42-5/8	42-5/8	42-5/8		

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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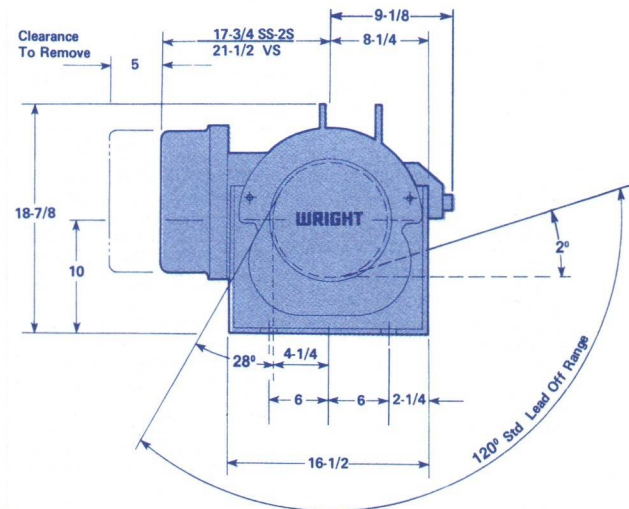
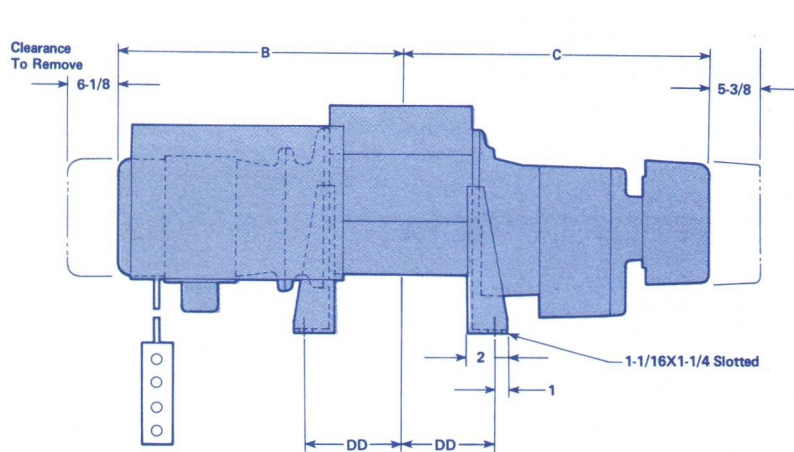
33-107 Issued 7-1-87

**WINCHES**

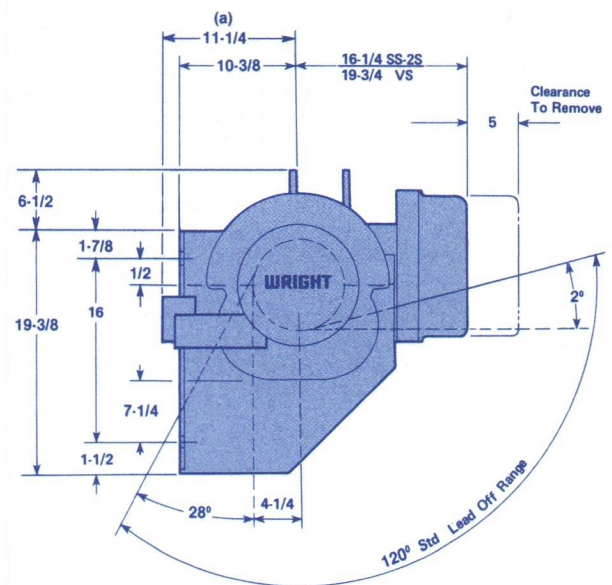
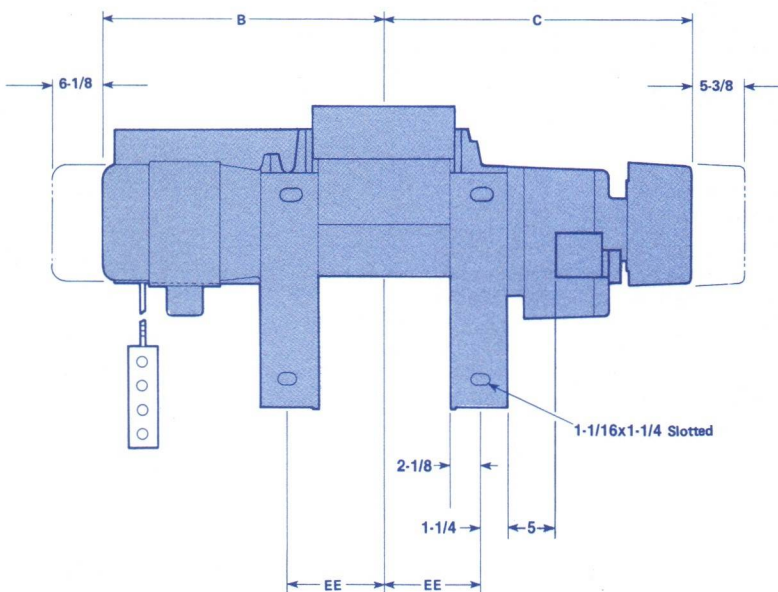
**SINGLE LINE – WIRE ROPE SIZE-5/16"**

**DOUBLE LINE – WIRE ROPE SIZE-1/4"**

**3/4  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

(a) Optional two circuit geared limit switch shown. Add 1" for optional four circuit switch.



# 1 TON

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-3/8"

DOUBLE LINE – WIRE ROPE SIZE-1/4"

33-108

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed Winch Control HP	PRODUCT NUMBERS AND CLEARANCES						DD	EE
			44	44-15	44	60	60-20	60		
			Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
			3	3-1	3	4	4-1-1/3	4		
42 <b>H3</b>	Base Wall B C		3241910	3241920	3241930	3242090	3242100	3242110	7-5/8	7-3/4
			3243410	3243420	3243430	3243590	3243600	3243610		
			25-3/8	25-3/8	25-3/8	25-3/8	27-3/8	25-3/8		
60 32 <b>H3</b>	Base Wall B C		3241940	3241950	3241960	3242120	3242130	3242140	9-5/8	9-3/4
			3243440	3243450	3243460	3243620	3243630	3243640		
			27-3/8	27-3/8	27-3/8	27-3/8	29-3/8	27-3/8		
82 48 <b>H3</b>	Base Wall B C		3241970	3241980	3241990	3242150	3242160	3242170	12-1/8	12-1/4
			3243470	3243480	3243490	3243650	3243660	3243670		
			29-7/8	29-7/8	29-7/8	29-7/8	31-7/8	29-7/8		
105 64 <b>H3</b>	Base Wall B C		3242000	3242010	3242020	3242180	3242190	3242200	14-5/8	14-3/4
			3243500	3243510	3243520	3243680	3243690	3243700		
			32-3/8	32-3/8	32-3/8	32-3/8	34-3/8	32-3/8		
127 81 <b>H3</b>	Base Wall B C		3242030	3242040	3242050	3242210	3242220	3242230	17-1/8	17-1/4
			3243530	3243540	3243550	3243710	3243720	3243730		
			34-7/8	34-7/8	34-7/8	34-7/8	36-7/8	34-7/8		
175 118 <b>H3</b>	Base Wall B C		3242060	3242070	3242080	3242240	3242250	3242260	22-5/8	22-3/4
			3243560	3243570	3243580	3243740	3243750	3243760		
			40-3/8	40-3/8	40-3/8	40-3/8	42-3/8	40-3/8		
			42-5/8	42-5/8	42-5/8	42-5/8	42-5/8	42-5/8		

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ELECTRIC WINCHES**

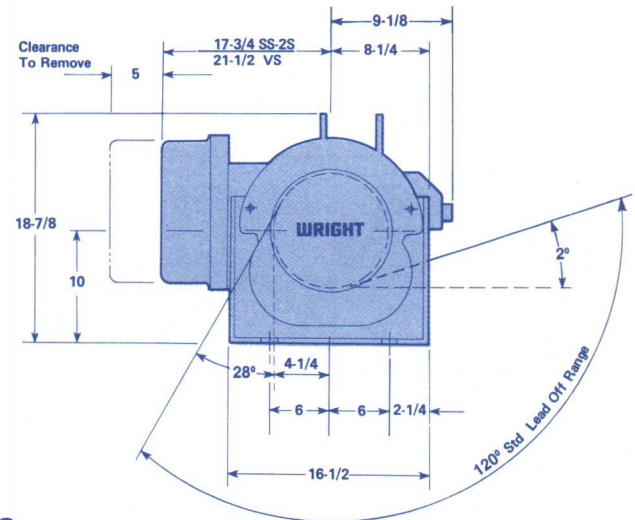
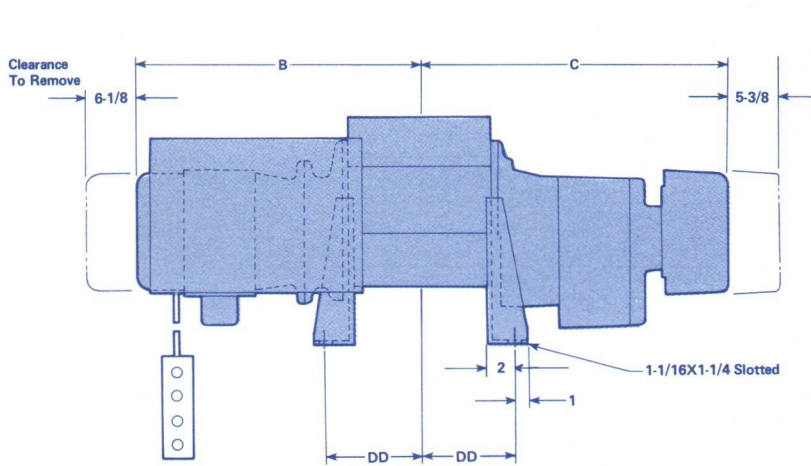
33-109 Issued 7-1-87

**WINCHES**

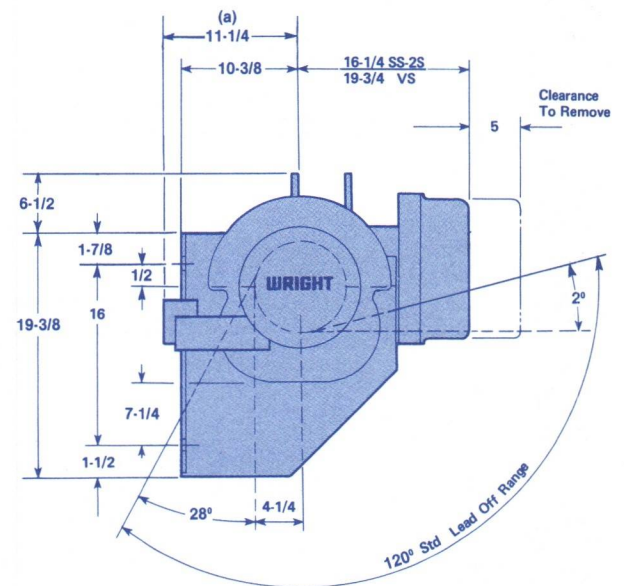
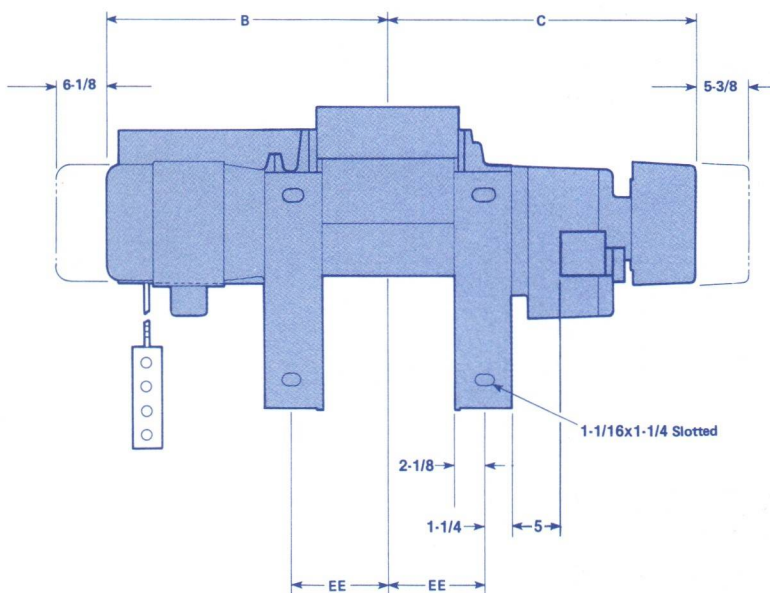
**SINGLE LINE – WIRE ROPE SIZE-3/8"**

**DOUBLE LINE – WIRE ROPE SIZE-1/4"**

**1  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

(a) Optional two circuit geared limit switch shown. Add 1" for optional four circuit switch.



# WINCHES

SINGLE LINE – WIRE ROPE SIZE-3/8"

DOUBLE LINE – WIRE ROPE SIZE-1/4"

33-110

## PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed	60			90			DD	EE
		Winch Control	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
HP	4	4-1-1/3	4	6-1/4	6-1/4-2	6-1/4				
39	Base Wall					3346670	3346730	3346790	6-3/8	7-3/8
H3	B					3347570	3347630	3347690		
	C					24-3/8	27-3/4	26-1/2		
						28-1/8	28-1/8	28-1/8		
39	Base Wall		3346310	3346370	3346430				6-3/8	7-3/8
H4	B		3347210	3347270	3347330					
	C		24-3/8	25-1/2	24-3/8					
			28-1/8	28-1/8	28-1/8					
64	Base Wall					3346680	3346740	3346800	8-5/8	9-5/8
H3	B					3347580	3347640	3347700		
	C					26-5/8	30	28-3/4		
						30-3/8	30-3/8	30-3/8		
64	Base Wall		3346320	3346380	3346440				8-5/8	9-5/8
H4	B		3347220	3347280	3347340					
	C		26-5/8	27-3/4	26-5/8					
			30-3/8	30-3/8	30-3/8					
105 65	Base Wall					3346690	3346750	3346810	12-3/8	13-3/8
H3	B					3347590	3347650	3347710		
	C					30-3/8	33-3/4	32-1/2		
						34-1/8	34-1/8	34-1/8		
105 65	Base Wall		3346330	3346390	3346450				12-3/8	13-3/8
H4	B		3347230	3347290	3347350					
	C		30-3/8	31-1/2	30-3/8					
			34-1/8	34-1/8	34-1/8					
142 94	Base Wall					3346700	3346760	3346820	15-7/8	16-7/8
H3	B					3347600	3347660	3347720		
	C					33-7/8	37-1/4	36		
						37-5/8	37-5/8	37-5/8		
142 94	Base Wall		3346340	3346400	3346460				15-7/8	16-7/8
H4	B		3347240	3347300	3347360					
	C		33-7/8	35	33-7/8					
			37-5/8	37-5/8	37-5/8					
177 118	Base Wall					3346710	3346770	3346830	18-7/8	19-7/8
H3	B					3347610	3347670	3347730		
	C					36-7/8	40-1/4	39		
						40-5/8	40-5/8	40-5/8		
177 118	Base Wall		3346350	3346410	3346470				18-7/8	19-7/8
H4	B		3347250	3347310	3347370					
	C		36-7/8	38	36-7/8					
			40-5/8	40-5/8	40-5/8					
226 155	Base Wall					3346720	3346780	3346840	23-3/8	24-3/8
H3	B					3347620	3347680	3347740		
	C					41-3/8	44-3/4	43-1/2		
						45-1/8	45-1/8	45-1/8		
226 155	Base Wall		3346360	3346420	3346480				23-3/8	24-3/8
H4	B		3347260	3347320	3347380					
	C		41-3/8	42-1/2	41-3/8					
			45-1/8	45-1/8	45-1/8					

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.





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ELECTRIC WINCHES**

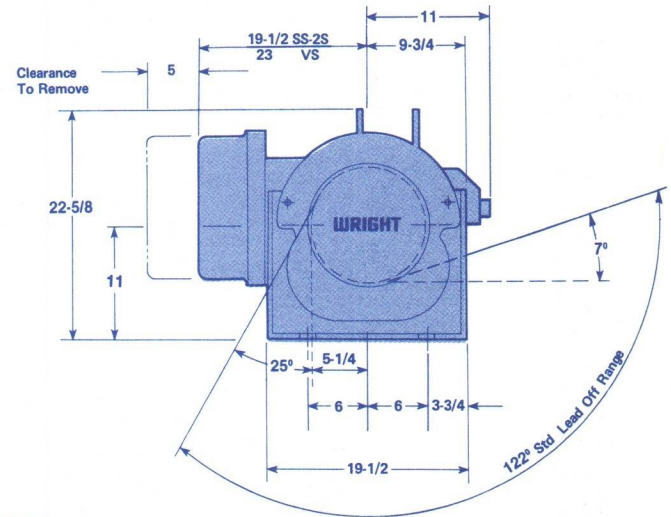
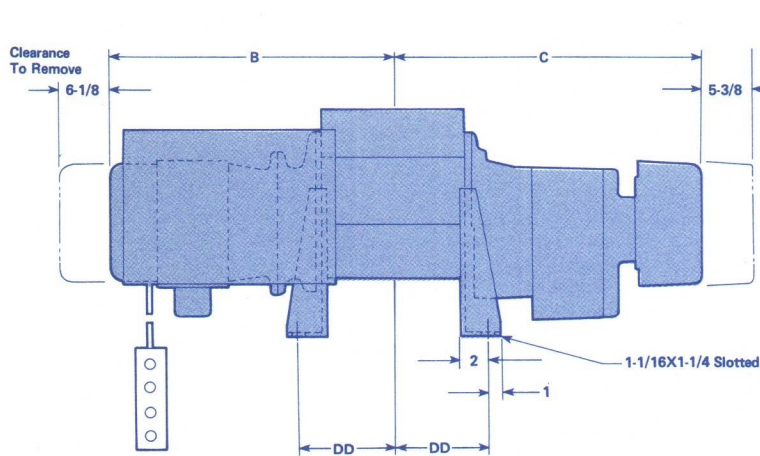
33-111 Issued 7-1-87

**WINCHES**

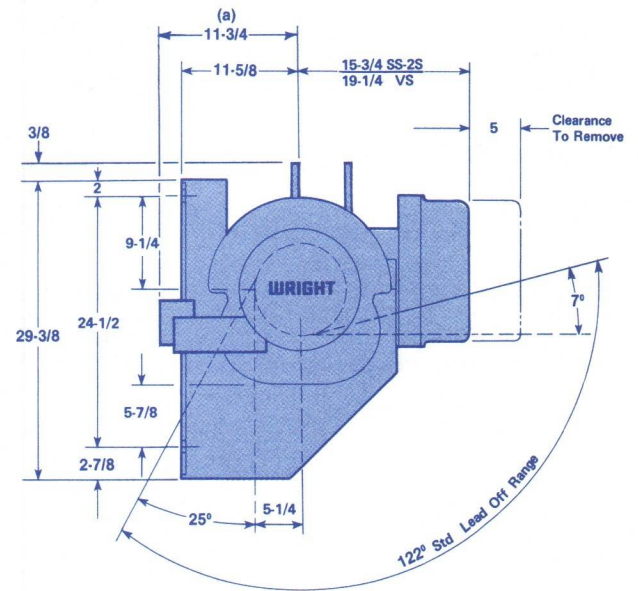
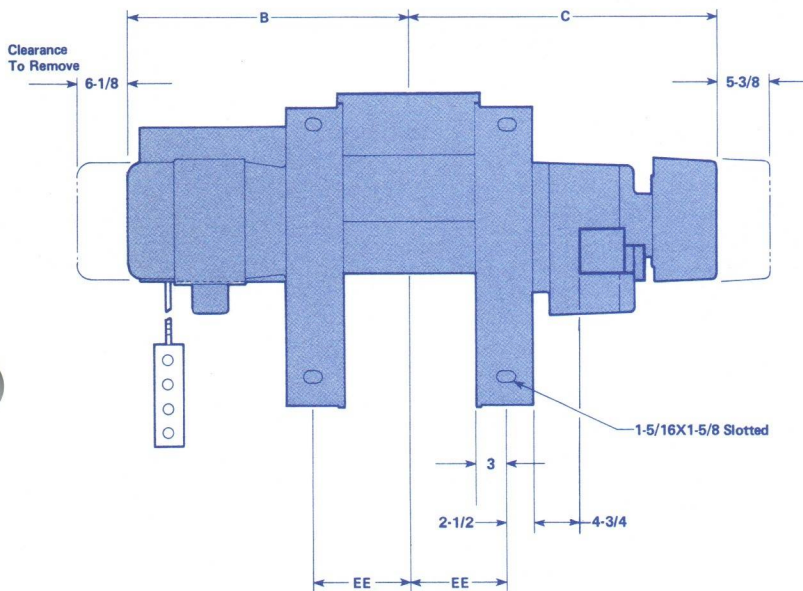
**SINGLE LINE – WIRE ROPE SIZE 3/8"**

**DOUBLE LINE – WIRE ROPE SIZE 1/4"**

**1  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

(a) Optional two circuit geared limit switch shown. Add 1" for optional four circuit switch.



# WINCHES

SINGLE LINE – WIRE ROPE SIZE-7/16"

DOUBLE LINE – WIRE ROPE SIZE-5/16"

33-112

## PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed Winch Control HP	PRODUCT NUMBERS AND CLEARANCES						DD	EE
			44	44-15	44	60	60-20	60		
			Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
			5	5-1-2/3	5	6-1/4	6-1/4-2	6-1/4		
36 <b>H3</b>	Base Wall B C		3346850	3346910	3346970	3347030	3347090	3347150	6-3/8	7-3/8
			3347750	3347810	3347870	3347930	3347990	3348050		
			24-3/8	25-1/2	24-3/8	24-3/8	27-3/4	26-1/2		
59 <b>H3</b>	Base Wall B C		3346860	3346920	3346980	3347040	3347100	3347160	8-5/8	9-5/8
			3347760	3347820	3347880	3347940	3348000	3348060		
			26-5/8	27-3/4	26-5/8	26-5/8	30	28-3/4		
100 48 <b>H3</b>	Base Wall B C		3346870	3346930	3346990	3347050	3347110	3347170	12-3/8	13-3/8
			3347770	3347830	3347890	3347950	3348010	3348070		
			30-3/8	31-1/2	30-3/8	30-3/8	33-3/4	32-1/2		
134 72 <b>H3</b>	Base Wall B C		3346880	3346940	3347000	3347060	3347120	3347180	15-7/8	16-7/8
			3347780	3347840	3347900	3347960	3348020	3348080		
			33-7/8	35	33-7/8	33-7/8	37-1/4	36		
165 93 <b>H3</b>	Base Wall B C		3346890	3346950	3347010	3347070	3347130	3347190	18-7/8	19-7/8
			3347790	3347850	3347910	3347970	3348030	3348090		
			36-7/8	38	36-7/8	36-7/8	40-1/4	39		
211 124 <b>H3</b>	Base Wall B C		3346900	3346960	3347020	3347080	3347140	3347200	23-3/8	24-3/8
			3347800	3347860	3347920	3347980	3348040	3348100		
			41-3/8	42-1/2	41-3/8	41-3/8	44-3/4	43-1/2		
			45-1/8	45-1/8	45-1/8	45-1/8	45-1/8	45-1/8		

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.



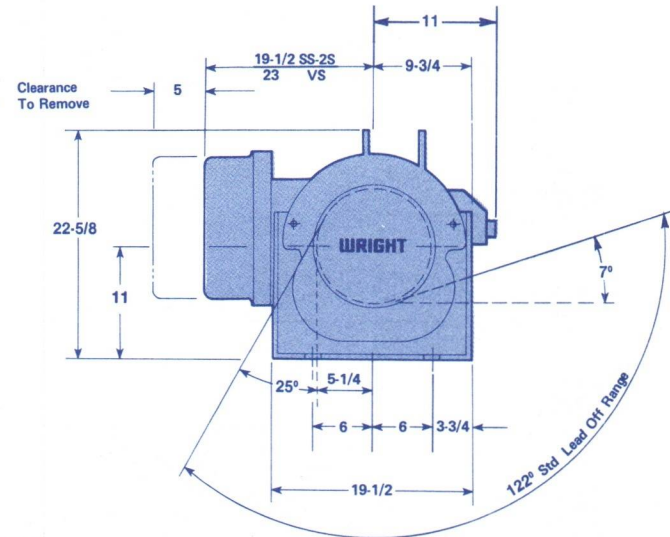
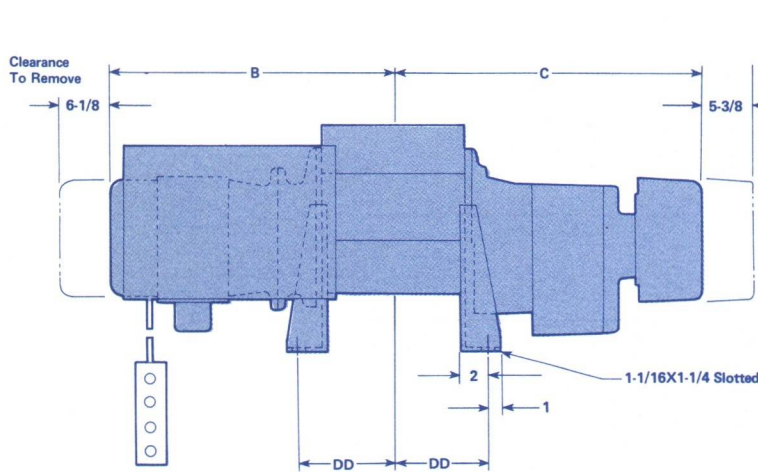


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ELECTRIC WINCHES**

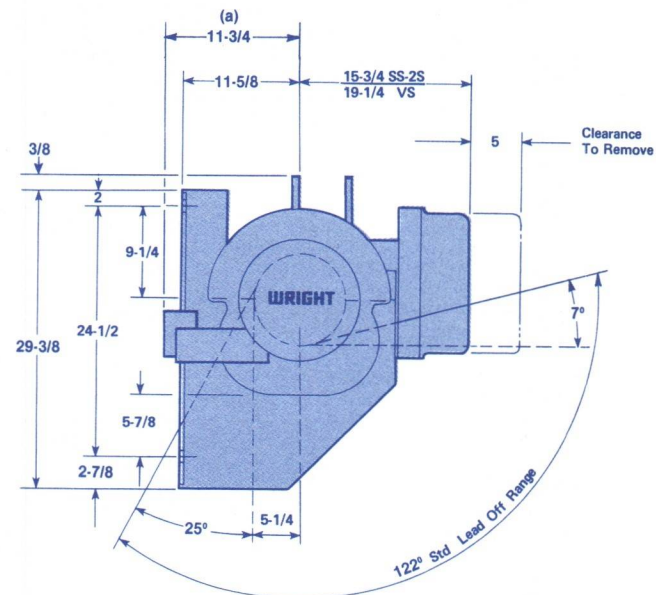
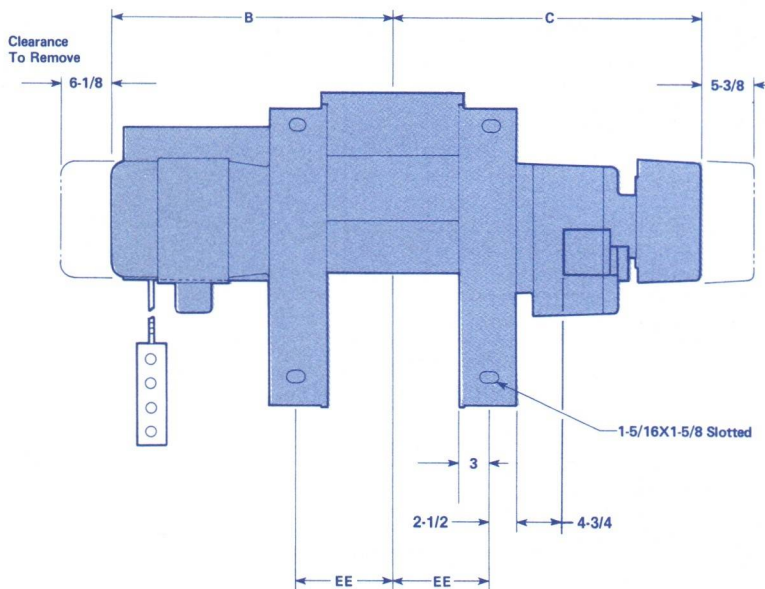
33-113 Issued 7-1-87

**WINCHES**  
SINGLE LINE – WIRE ROPE SIZE -7/16"  
DOUBLE LINE – WIRE ROPE SIZE -5/16"

**11½  
TON**



### BASE MOUNTING



### WALL MOUNTING

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

(a) Optional two circuit geared limit switch shown. Add 1" for optional four circuit switch.

# 1 1/2 TON

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-7/16"

DOUBLE LINE – WIRE ROPE SIZE-5/16"

33-114

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity		Mtg.	Wire Rope Speed	80			100			DD		EE	
			Winch Control	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed				
			HP	10	10-3-1/3	10	15	15-5	15				
H3	43	Base Wall	B C				3457610	3457680	3457750	6-7/8	7-7/8		
H4	43	Base Wall	B C	3457400	3457470	3457540				6-7/8	7-7/8		
		3458660		3458730	3458800								
		25-1/2		30-5/8	30-5/8								
		28-7/8		28-7/8	28-7/8								
H3	71	Base Wall	B C				3457620	3457690	3457760	9-1/8	10-1/8		
H4	71	Base Wall	B C	3457410	3457480	3457550				9-1/8	10-1/8		
		3458670		3458740	3458810								
		27-3/4		32-7/8	32-7/8								
		31-1/8		31-1/8	31-1/8								
H3	111 41	Base Wall	B C				3457630	3457700	3457770	12-3/8	13-3/8		
H4	111 41	Base Wall	B C	3457420	3457490	3457560				12-3/8	13-3/8		
		3458680		3458750	3458820								
		31		36-1/8	36-1/8								
		34-3/8		34-3/8	34-3/8								
H3	160 68	Base Wall	B C				3457640	3457710	3457780	16-3/8	17-3/8		
H4	160 68	Base	B C	3457430	3457500	3457570				16-3/8	17-3/8		
		3458690		3458760	3458830								
		35		40-1/8	40-1/8								
		38-3/8		38-3/8	38-3/8								
H3	221 100	Base Wall	B C				3457650	3457720	3457790	21-3/8	22-3/8		
H4	221 100	Base Wall	B C	3457440	3457510	3457580				21-3/8	22-3/8		
		3458700		3458770	3458840								
		40		45-1/8	45-1/8								
		43-3/8		43-3/8	43-3/8								
H3	282 133	Base Wall	B C				3457660	3457730	3457800	26-3/8	27-3/8		
H4	282 133	Base Wall	B C	3457450	3457520	3457590				26-3/8	27-3/8		
		3458710		3458780	3458850								
		45		50-1/8	50-1/8								
		48-3/8		48-3/8	48-3/8								

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type for double line winch.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.





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ELECTRIC WINCHES**

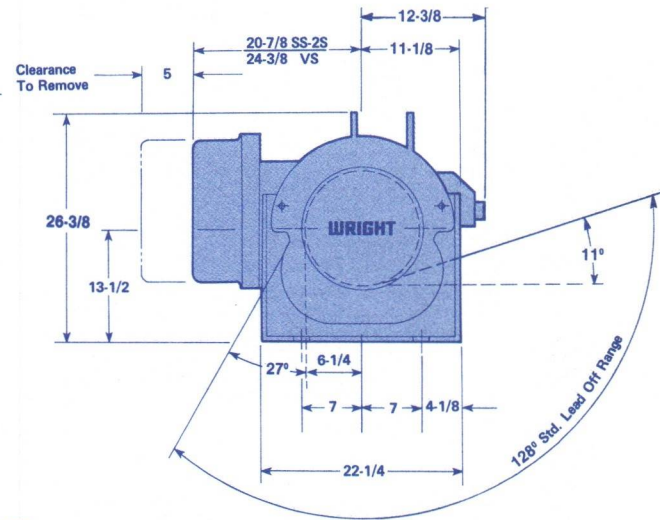
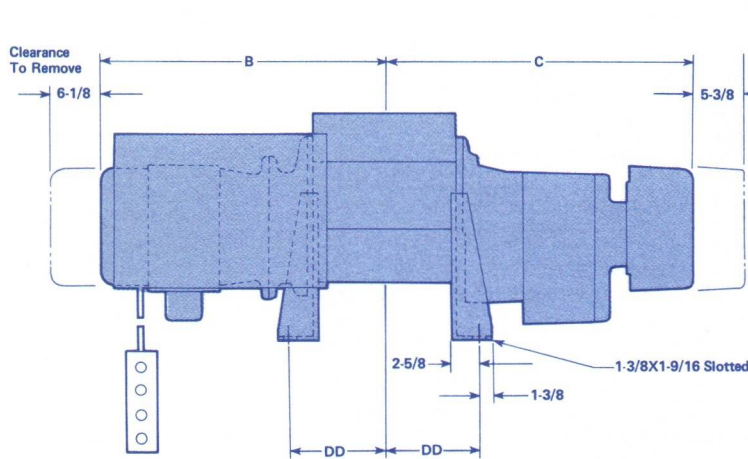
33-115 Issued 7-1-87

**WINCHES**

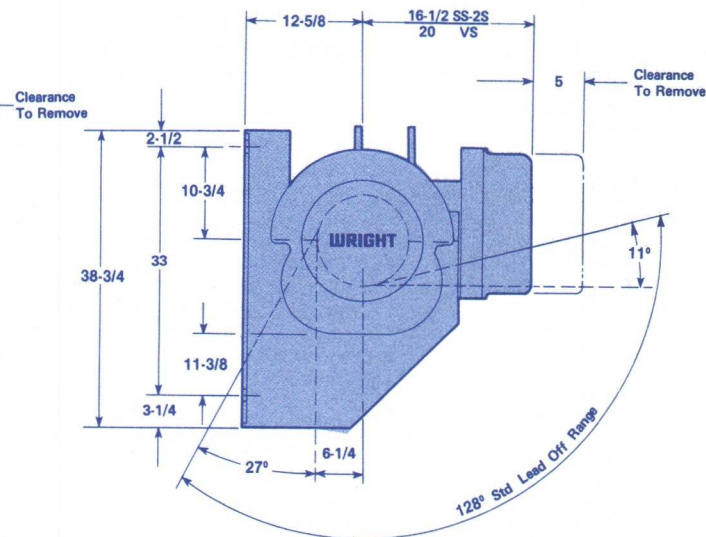
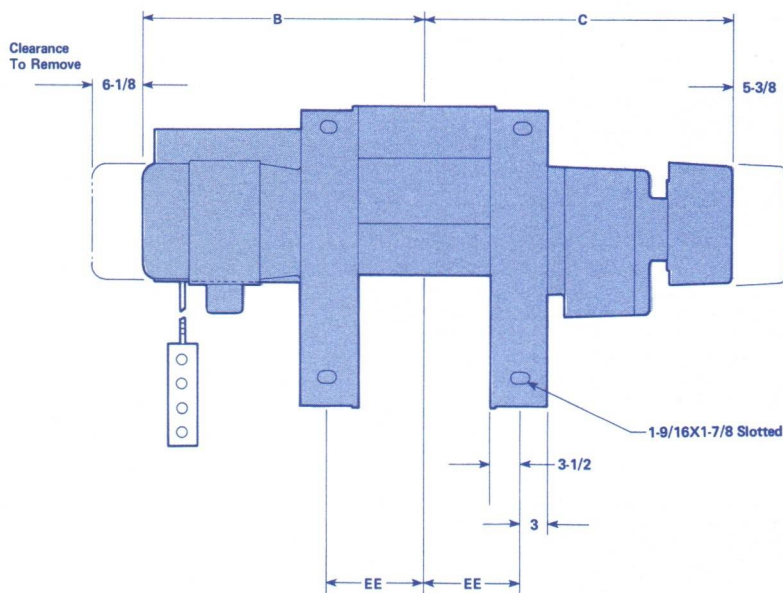
SINGLE LINE — WIRE ROPE SIZE-7/16"

DOUBLE LINE — WIRE ROPE SIZE-5/16"

**1 1/2  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.  
See page 33-102 for additional important information.

# 2 TON

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-1/2"

DOUBLE LINE – WIRE ROPE SIZE-3/8"

33-116

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity		Mtg.	Wire Rope Speed	60			80			DD		EE	
			Winch Control	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed				
HP	7-1/2	7-1/2-2-1/2	7-1/2	10	10-3-1/3	10							
36 <b>H3</b>	Base Wall	B C					3458030	3458100	3458170	6-7/8	7-7/8		
36 <b>H4</b>	Base Wall	B C	3457820	3457890	3457960					6-7/8	7-7/8		
			3459080	3459150	3459220								
			24-5/8	28-3/4	24-3/4								
			28-7/8	28-7/8	28-7/8								
60 <b>H3</b>	Base Wall	B C					3458040	3458110	3458180	9-1/8	10-1/8		
60 <b>H4</b>	Base Wall	B C	3457830	3457900	3457970					9-1/8	10-1/8		
			3459090	3459160	3459230								
			26-7/8	30-7/8	27								
			31-1/8	31-1/8	31-1/8								
95 41 <b>H3</b>	Base Wall	B C					3458050	3458120	3458190	12-3/8	13-3/8		
95 41 <b>H4</b>	Base Wall	B C	3457840	3457910	3457980					12-3/8	13-3/8		
			3459100	3459170	3459240								
			30-1/8	34-1/8	30-1/4								
			34-3/8	34-3/8	34-3/8								
137 68 <b>H3</b>	Base Wall	B C					3458060	3458130	3458200	16-3/8	17-3/8		
137 68 <b>H4</b>	Base Wall	B C	3457850	3457920	3457990					16-3/8	17-3/8		
			3459110	3459180	3459250								
			34-1/8	38-1/8	34-1/4								
			38-3/8	38-3/8	38-3/8								
190 100 <b>H3</b>	Base Wall	B C					3458070	3458140	3458210	21-3/8	22-3/8		
190 100 <b>H4</b>	Base Wall	B C	3457860	3457930	3458000					21-3/8	22-3/8		
			3459120	3459190	3459260								
			39-1/8	43-1/8	39-1/4								
			43-3/8	43-3/8	43-3/8								
244 133 <b>H3</b>	Base Wall	B C					3458080	3458150	3458220	26-3/8	27-3/8		
244 133 <b>H4</b>	Base Wall	B C	3457870	3457940	3458010					26-3/8	27-3/8		
			3459130	3459200	3459270								
			44-1/8	48-1/8	44-1/4								
			48-3/8	48-3/8	48-3/8								

Add dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

(a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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ELECTRIC WINCHES**

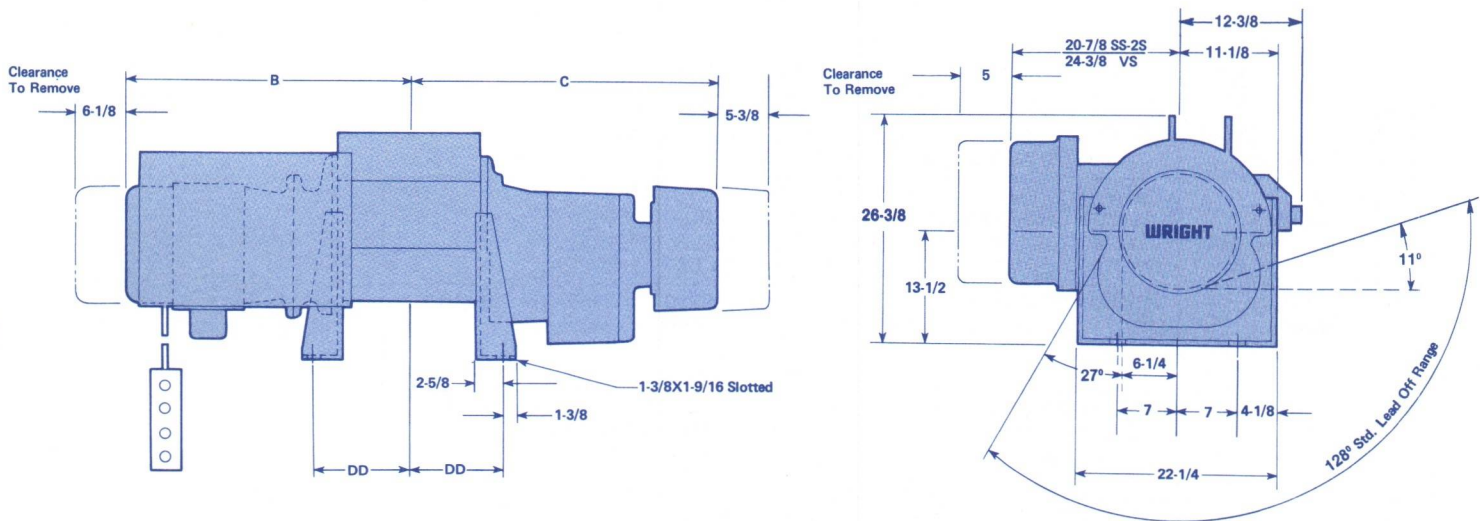
33-117 Issued 7-1-87

**WINCHES**

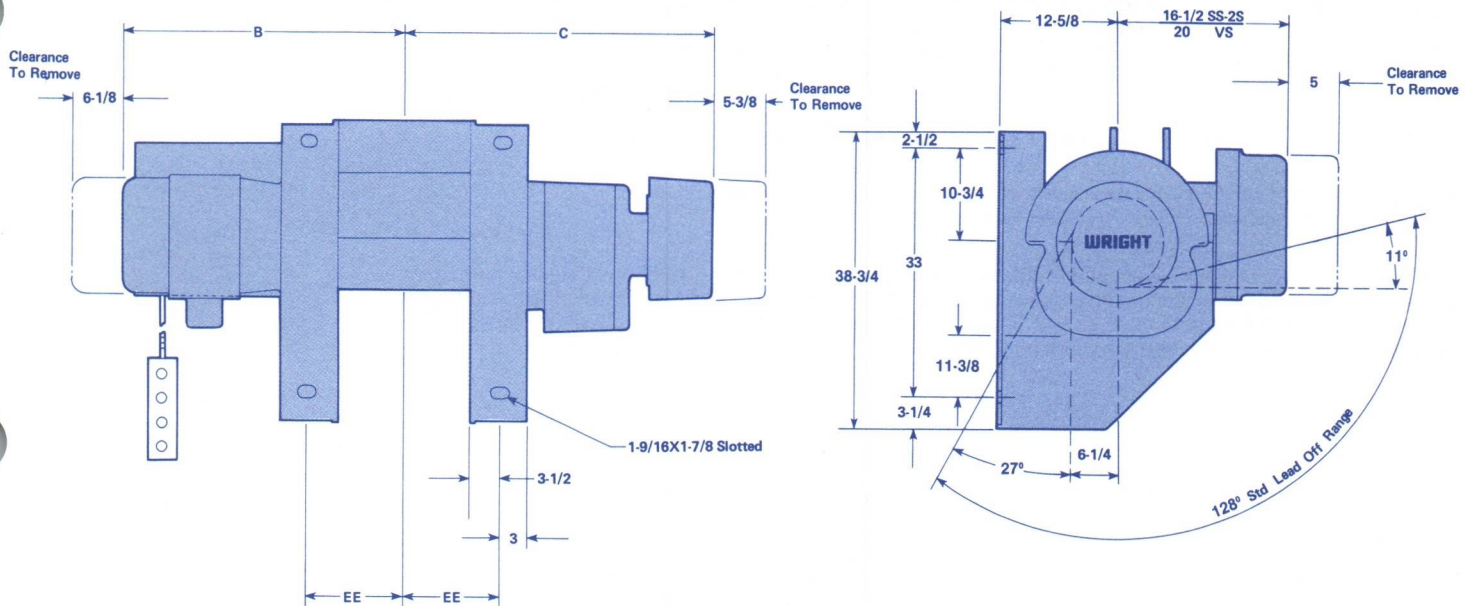
**SINGLE LINE – WIRE ROPE SIZE-1/2"**

**DOUBLE LINE – WIRE ROPE SIZE-3/8"**

**2  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

## H4

## H3

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed Winch Control HP	PRODUCT NUMBERS AND CLEARANCES						DD	EE
			44	44-15	44	60	60-20	60		
			Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
			7-1/2	7-1/2-2-1/2	7-1/2	10	10-3-1/3	10		
36	Base Wall		3458240	3458310	3458380	3458450	3458520	3458590	6-7/8	7-7/8
		B	3459500	3459570	3459640	3459710	3459780	3459850		
		C	24-5/8	28-3/4	24-3/4	25-1/2	30-5/8	30-5/8		
60	Base Wall		28-7/8	28-7/8	28-7/8	28-7/8	28-7/8	28-7/8	9-1/8	10-1/8
		B	3458250	3458320	3458390	3458460	3458530	3458600		
		C	3459510	3459580	3459650	3459720	3459790	3459860		
95 41	Base Wall		26-7/8	30-7/8	27	27-3/4	32-7/8	32-7/8	12-3/8	13-3/8
		B	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8	31-1/8		
		C	3458260	3458330	3458400	3458470	3458540	3458610		
137 68	Base Wall		3459520	3459590	3459660	3459730	3459800	3459870	16-3/8	17-3/8
		B	30-1/8	34-1/8	30-1/4	31	36-1/8	36-1/8		
		C	34-3/8	34-3/8	34-3/8	34-3/8	34-3/8	34-3/8		
190 100	Base Wall		3458270	3458340	3458410	3458480	3458550	3458620	21-3/8	22-3/8
		B	3459530	3459600	3459670	3459740	3459810	3459880		
		C	34-1/8	38-1/8	34-1/4	35	40-1/8	40-1/8		
244 133	Base Wall		38-3/8	38-3/8	38-3/8	38-3/8	38-3/8	38-3/8	26-3/8	27-3/8
		B	3458280	3458350	3458420	3458490	3458560	3458630		
		C	3459540	3459610	3459680	3459750	3459820	3459890		
			39-1/8	43-1/8	39-1/4	40	45-1/8	45-1/8		
		B	43-3/8	43-3/8	43-3/8	43-3/8	43-3/8	43-3/8		
		C	3458290	3458360	3458430	3458500	3458570	3458640		
			3459550	3459620	3459690	3459760	3459830	3459900		
		B	44-1/8	48-1/8	44-1/4	45	50-1/8	50-1/8		
		C	48-3/8	48-3/8	48-3/8	48-3/8	48-3/8	48-3/8		

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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ELECTRIC WINCHES**

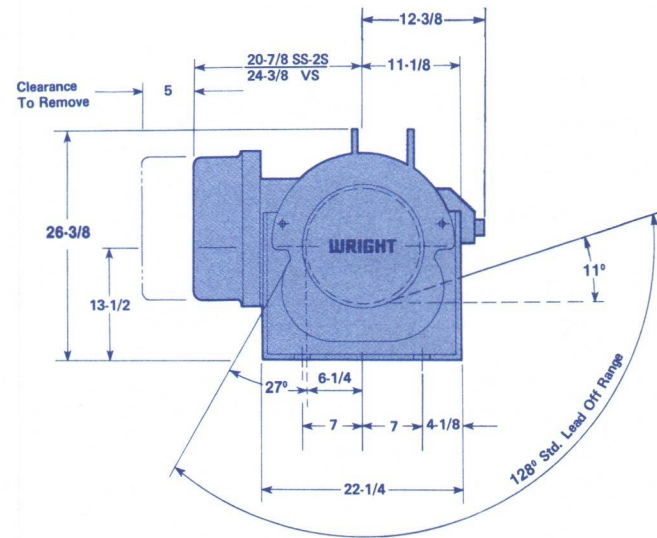
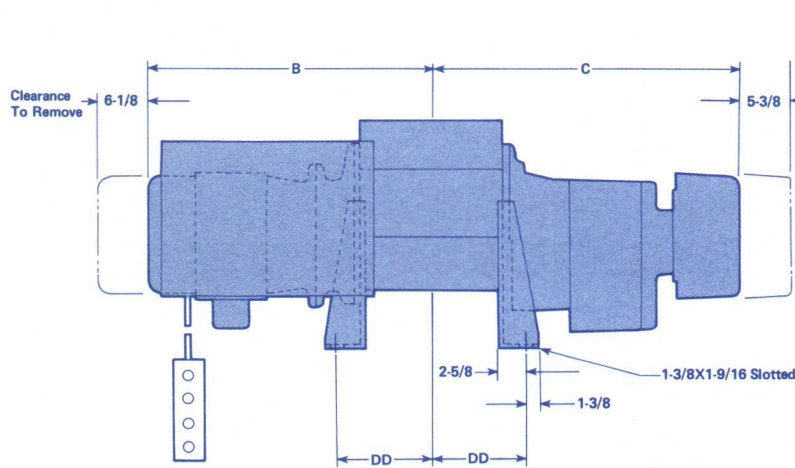
33-119 Issued 7-1-87

**WINCHES**

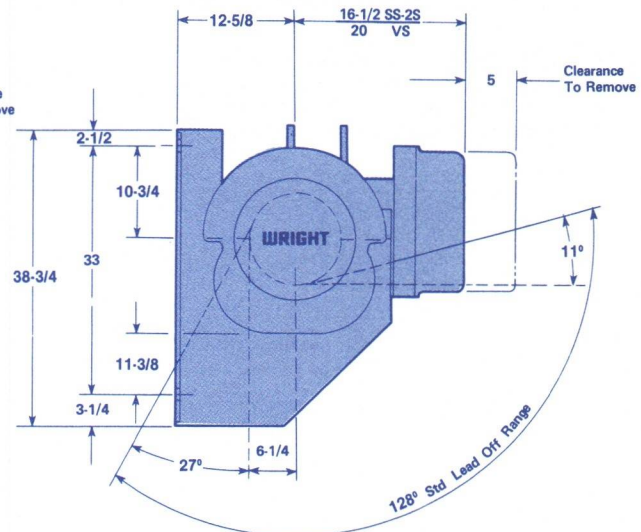
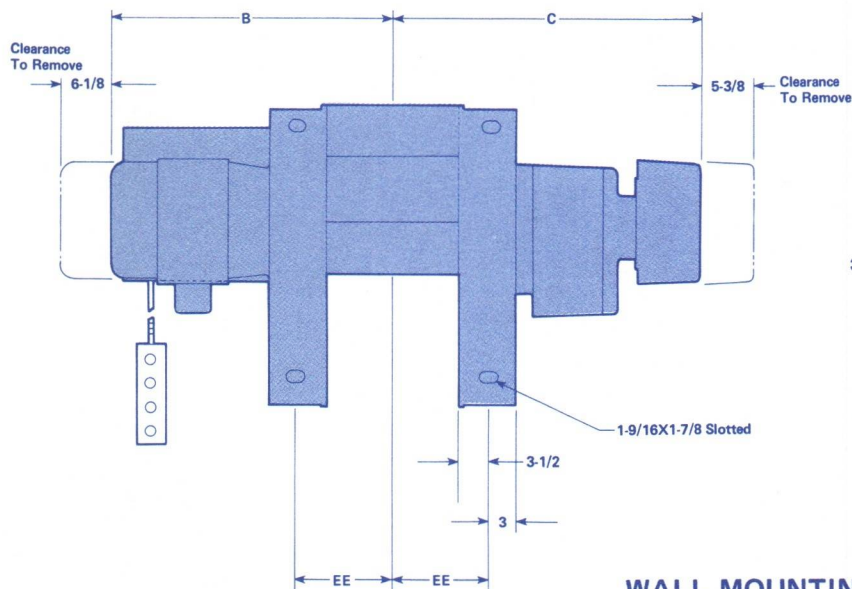
SINGLE LINE – WIRE ROPE SIZE-1/2"

DOUBLE LINE – WIRE ROPE SIZE-3/8"

**21½  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

**2 1/2**  
**TON**

# WINCHES

SINGLE LINE – WIRE ROPE SIZE-1/2"

DOUBLE LINE – WIRE ROPE SIZE-7/16"

33-120

Drum (a) Winding Capacity		Wire Rope Speed		PRODUCT NUMBERS AND CLEARANCES											
				80		80-27				80		120			
				Winch Control		Single Speed				Two Speed		Variable Speed		Variable Speed	
				HP		15				15-5		15		20	
Mtg.												DD		EE	
63		Base Wall		3511310		3511360		3511410		3511560		9-1/4		11-1/4	
H3			3512210		3512260		3512310		3512460						
	B		28-1/8		33-1/2		33-1/2		33-1/2						
	C		34-3/4		34-3/4		34-3/4		34-3/4						
93 34		Base Wall		3511320		3511370		3511420		3511570		11-1/2		13-1/2	
H3			3512220		3512270		3512320		3512470						
	B		30-3/8		36		36		36						
	C		37		37		37		37						
148 62		Base Wall		3511330		3511380		3511430		3511580		16-1/2		18-1/2	
H3			3512230		3512280		3512330		3512480						
	B		35-3/8		41		41		41						
	C		42		42		42		42						
206 95		Base Wall		3511340		3511390		3511440		3511590		21-1/2		23-1/2	
H3			3512240		3512290		3512340		3512490						
	B		40-3/8		46		46		46						
	C		47		47		47		47						
276 136		Base Wall		3511350		3511400		3511450		3511600		27-1/2		29-1/2	
H3			3512250		3512300		3512350		3512500						
	B		46-3/8		52		52		52						
	C		53		53		53		53						

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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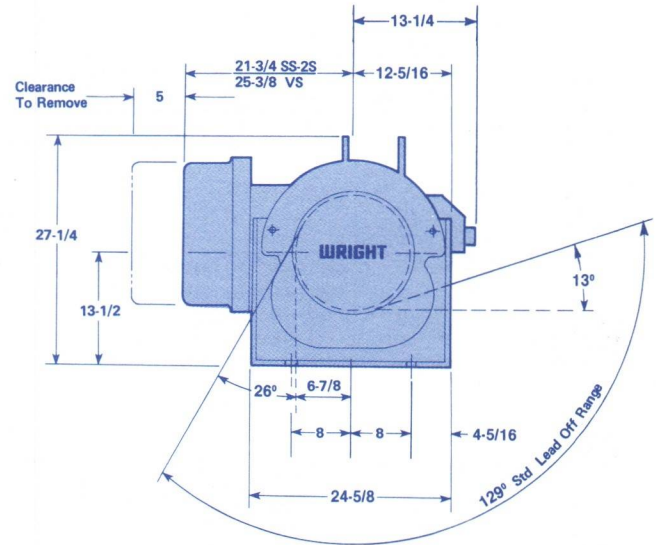
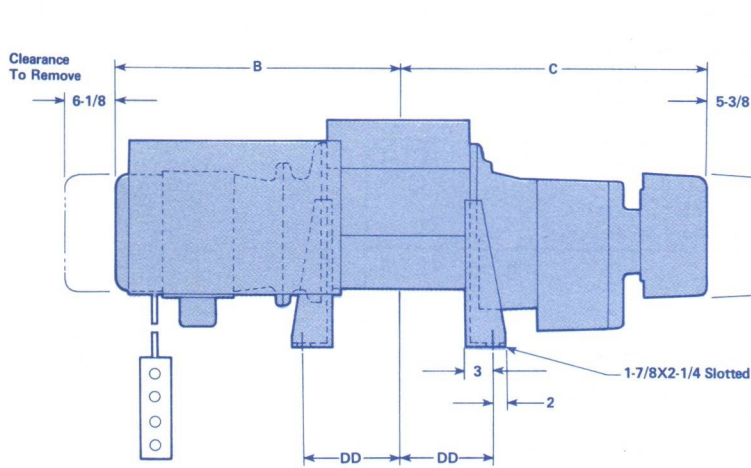


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ELECTRIC WINCHES**

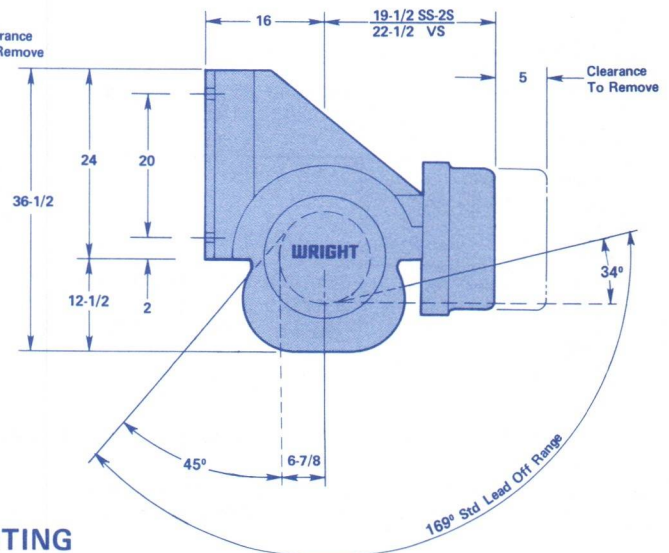
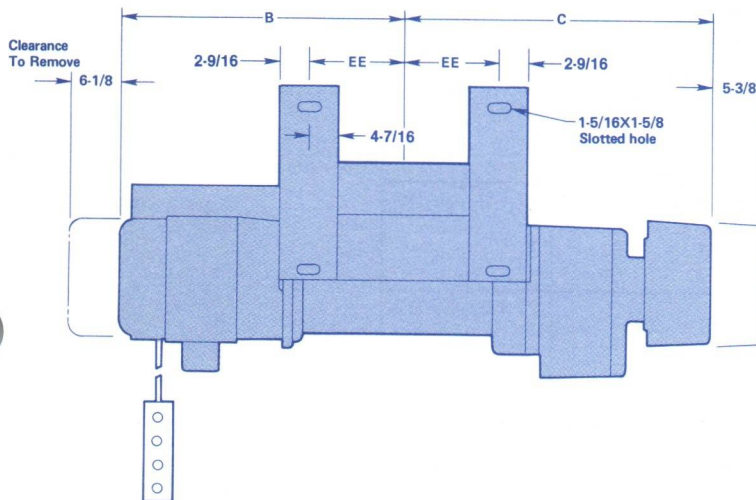
33-121 Issued 7-1-87

**WINCHES**  
SINGLE LINE – WIRE ROPE SIZE-1/2"  
DOUBLE LINE – WIRE ROPE SIZE-7/16"

**2 1/2  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.  
See page 33-102 for additional important information.

# 3 TON

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-5/8"

DOUBLE LINE – WIRE ROPE SIZE-7/16"

33-122

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity		Mtg.	Wire Rope Speed	PRODUCT NUMBERS AND CLEARANCES			PRODUCT NUMBERS AND CLEARANCES			DD    EE	
			44	44-15	44	80	80-27	80			
			Winch Control	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
		HP	10	10-3-1/3	10	15	15-5	15			
52  <b>H3</b>	Base Wall					3511760 3512660 30-1/4 34-3/4	3511810 3512710 33-1/2 34-3/4	3511860 3512760 33-1/2 34-3/4	9-1/4	11-1/4	
		B C									
52  <b>H4</b>	Base Wall		3511610 3512510 28-1/8 34-3/4	3511660 3512560 33-1/2 34-3/4	3511710 3512610 33-1/2 34-3/4				9-1/4	11-1/4	
		B C									
74 36 <b>H3</b>	Base Wall					3511770 3512670 32-1/2 37	3511820 3512720 36 37	3511870 3512770 36 37	11-1/2	13-1/2	
		B C									
74 36 <b>H4</b>	Base Wall		3511620 3512520 30-3/8 37	3511670 3512570 36 37	3511720 3512620 36 37				11-1/2	13-1/2	
		B C									
124 62 <b>H3</b>	Base Wall					3511780 3512680 37-1/2 42	3511830 3512730 41 42	3511880 3512780 41 42	16-1/2	18-1/2	
		B C									
124 62 <b>H4</b>	Base Wall		3511630 3512530 35-3/8 42	3511680 3512580 41 42	3511730 3512630 41 42				16-1/2	18-1/2	
		B C									
173 95 <b>H3</b>	Base Wall					3511790 3512690 42-1/2 47	3511840 3512740 46 47	3511890 3512790 46 47	21-1/2	23-1/2	
		B C									
173 95 <b>H4</b>	Base Wall		3511640 3512540 40-3/8 47	3511690 3512590 46 47	3511740 3512640 46 47				21-1/2	23-1/2	
		B C									
232 136 <b>H3</b>	Base Wall					3511800 3512700 48-1/2 53	3511850 3512750 52 53	3511900 3512800 52 53	27-1/2	29-1/2	
		B C									
232 136 <b>H4</b>	Base Wall		3511650 3512550 46-3/8 53	3511700 3512600 52 53	3511750 3512650 52 53				27-1/2	29-1/2	
		B C									

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

(a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type for double line winch.

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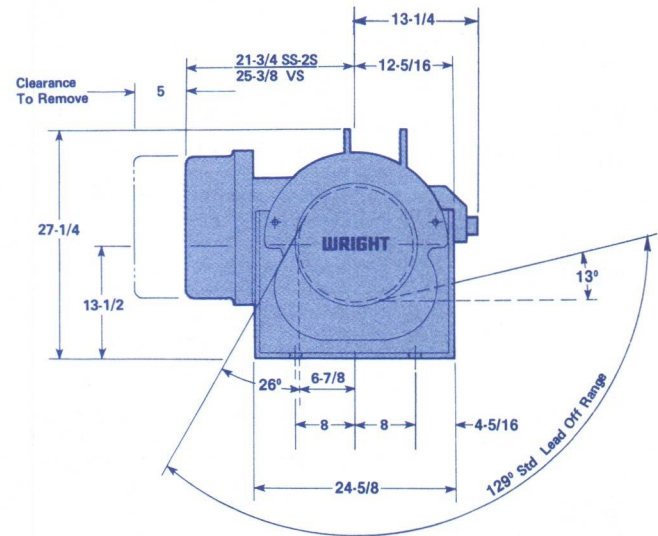
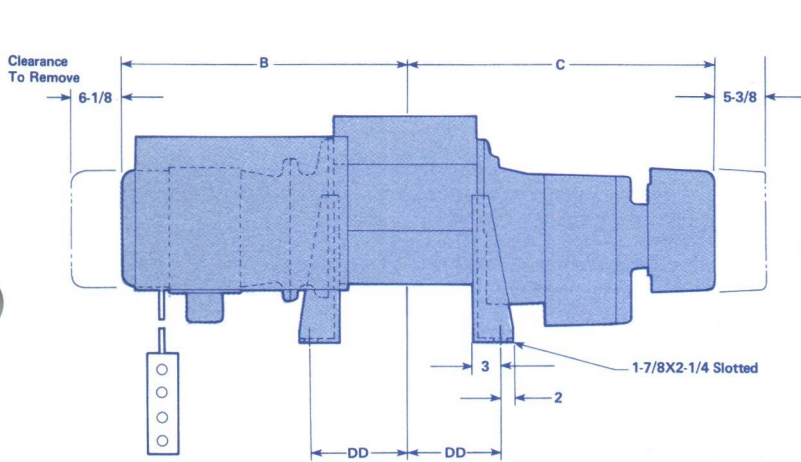


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ELECTRIC WINCHES**

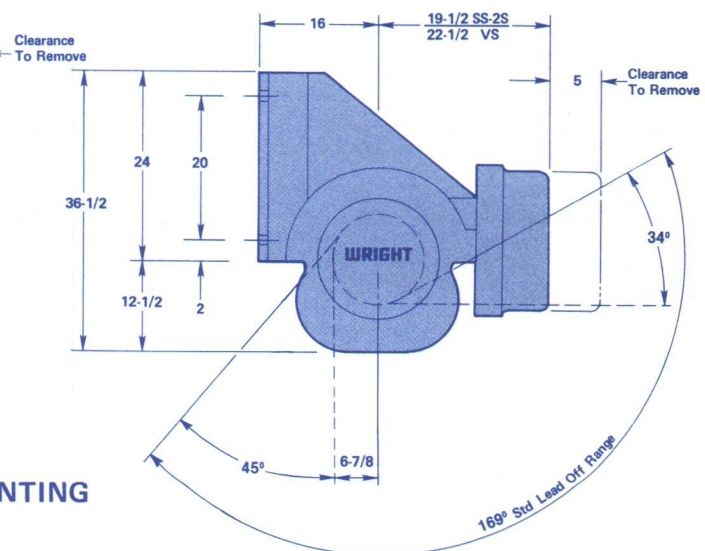
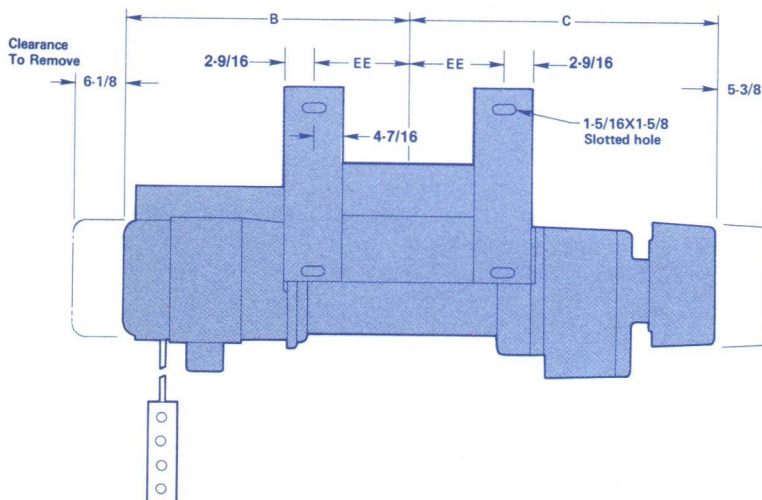
33-123 Issued 7-1-87

**WINCHES**  
SINGLE LINE — WIRE ROPE SIZE-5/8"  
DOUBLE LINE — WIRE ROPE SIZE-7/16"

**3  
TON**



**BASE MOUNTING**



**WALL MOUNTING**

See facing page for additional dimensions. All dimensions shown in inches.  
See page 33-102 for additional important information.

**3**  
**TON**

## WINCHES

SINGLE LINE – WIRE ROPE SIZE-9/16"

DOUBLE LINE – WIRE ROPE SIZE-7/16"

33-124

### PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity	Mtg.	Wire Rope Speed	Winch Control	PRODUCT NUMBERS AND CLEARANCES					DD	EE
				80	80-27	80	100	120		
				Single Speed	Two Speed	Variable Speed	Variable Speed	Variable Speed		
		HP		15	15-5	15	20	25		
90 <b>H3</b>	Base			3615560	3615620	3615680	3615740	3615800	15-1/4	15-3/4
		B		33-3/8	34-7/8	34-5/8	34-5/8	36-1/8		
		C		38-1/4	38-1/4	38-1/4	38-1/4	38-1/4		
130 58 <b>H3</b>	Base			3615570	3615630	3615690	3615750	3615810	18-1/4	18-3/4
		B		36-3/8	37-7/8	37-5/8	37-5/8	39-1/8		
		C		41-1/4	41-1/4	41-1/4	41-1/4	41-1/4		
167 80 <b>H3</b>	Base			3615580	3615640	3615700	3615760	3615820	21-1/4	21-3/4
		B		39-3/8	40-7/8	40-5/8	40-5/8	42-1/8		
		C		44-1/4	44-1/4	44-1/4	44-1/4	44-1/4		
205 102 <b>H3</b>	Base			3615590	3615650	3615710	3615770	3615830	24-1/4	24-3/4
		B		42-3/8	43-7/8	43-5/8	43-5/8	45-1/8		
		C		47-1/4	47-1/4	47-1/4	47-1/4	47-1/4		
281 146 <b>H3</b>	Base			3615600	3615660	3615720	3615780	3615840	30-1/4	30-3/4
		B		48-3/8	49-7/8	49-5/8	49-5/8	51-1/8		
		C		53-1/4	53-1/4	53-1/4	53-1/4	53-1/4		
356 190 <b>H3</b>	Base			3615610	3615670	3615730	3615790	3615850	36-1/4	36-3/4
		B		53-1/2	54-3/8	54-3/4	55-5/8	57-1/8		
		C		59-1/4	59-1/4	59-1/4	59-1/4	59-1/4		

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.





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ELECTRIC WINCHES**

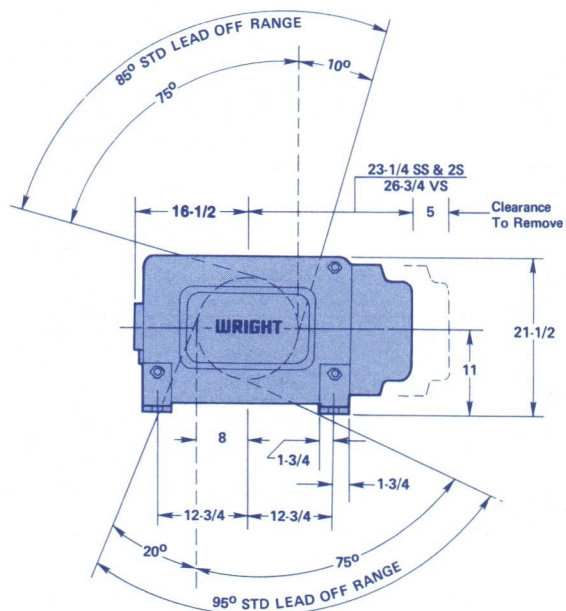
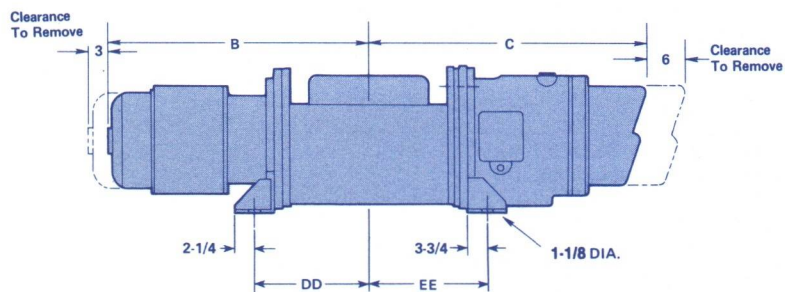
33-125 Issued 7-1-87

**WINCHES**

SINGLE LINE — WIRE ROPE SIZE-9/16"

DOUBLE LINE — WIRE ROPE SIZE-7/16"

**3  
TON**



See facing page for additional dimensions. All dimensions shown in inches.  
See page 33-102 for additional important information.

**3 3/4**  
**TON**

# WINCHES

SINGLE LINE — WIRE ROPE SIZE-5/8"

DOUBLE LINE — WIRE ROPE SIZE-1/2"

33-126

		PRODUCT NUMBERS AND CLEARANCES								
Drum (a) Winding Capacity	Mtg.	Wire Rope Speed	44	44-15	44	60	60-20	60		
		Winch Control	Single Speed	Two Speed	Variable Speed	Single Speed	Two Speed	Variable Speed		
		HP	10	10-3-1/3	10	15	15-5	15	DD	EE
<b>H3</b> 52	Base Wall		3511910	3511960	3512010	3512060	3512110	3512160	9-1/4	11-1/4
			3512810	3512860	3512910	3512960	3513010	3513060		
		B	28-1/8	33-1/2	33-1/2	30-1/4	33-1/2	33-1/2		
		C	34-3/4	34-3/4	34-3/4	34-3/4	34-3/4	34-3/4		
<b>H3</b> 74 22	Base Wall		3511920	3511970	3512020	3512070	3512120	3512170	11-1/2	13-1/2
			3512820	3512870	3512920	3512970	3513020	3513070		
		B	30-3/8	36	36	32-1/2	36	36		
		C	37	37	37	37	37	37		
<b>H3</b> 123 52	Base Wall		3511930	3511980	3512030	3512080	3512130	3512180	16-1/2	18-1/2
			3512830	3512880	3512930	3512980	3513030	3513080		
		B	35-3/8	41	41	37-1/2	41	41		
		C	42	42	42	42	42	42		
<b>H3</b> 173 82	Base Wall		3511940	3511990	3512040	3512090	3512140	3512190	21-1/2	23-1/2
			3512840	3512890	3512940	3512990	3513040	3513090		
		B	40-3/8	46	46	42-1/2	46	46		
		C	47	47	47	47	47	47		
<b>H3</b> 232 117	Base Wall		3511950	3512000	3512050	3512100	3512150	3512200	27-1/2	29-1/2
			3512850	3512900	3512950	3513000	3513050	3513100		
		B	46-3/8	52	52	48-1/2	52	52		
		C	53	53	53	53	53	53		

Dimensions shown in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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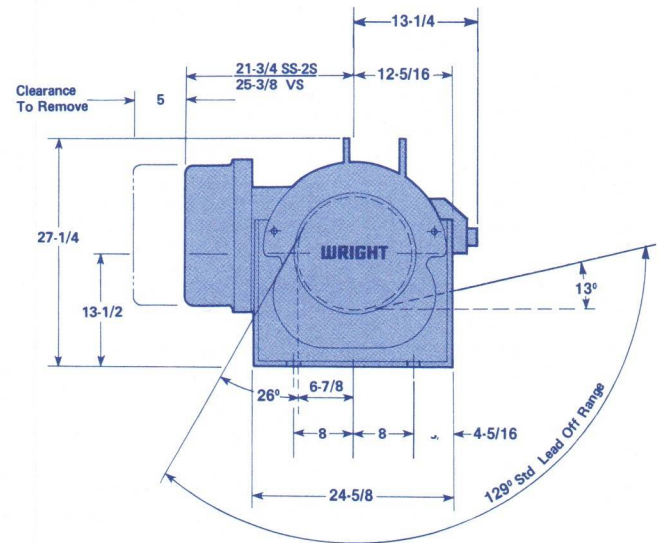
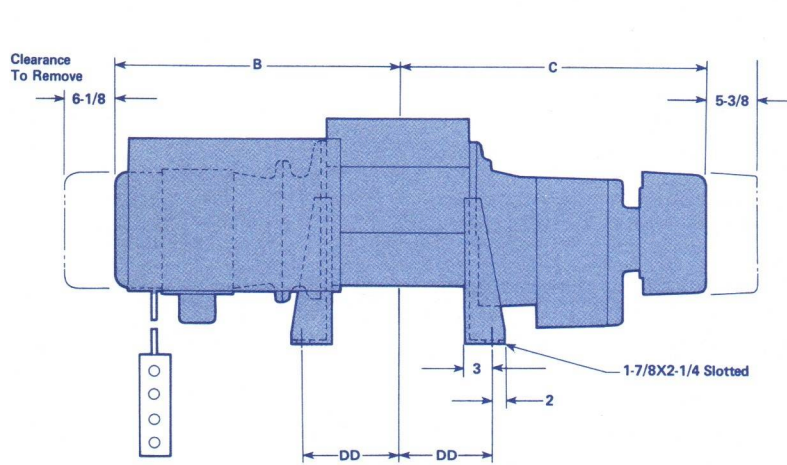




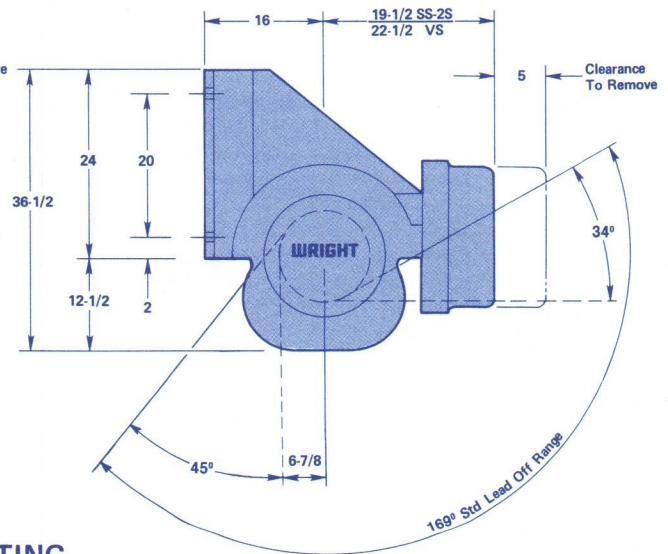
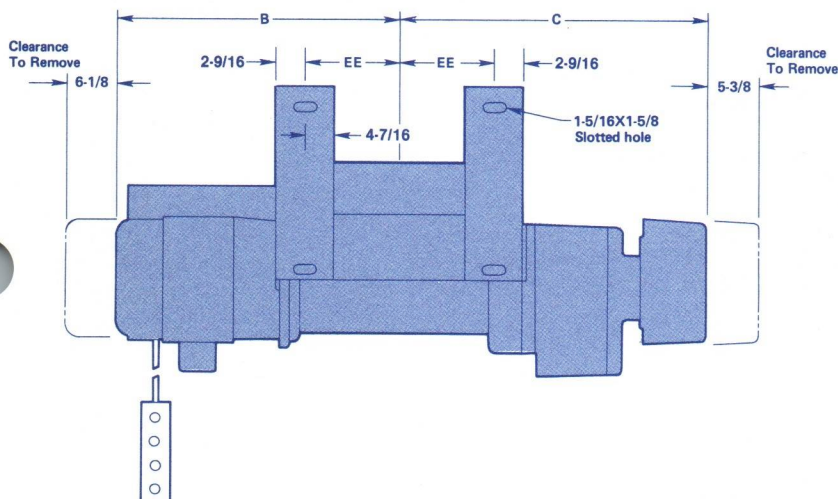
**WRIGHT® Work-rated  
ELECTRIC WINCHES**  
33-127 Issued 7-1-87

**WINCHES**  
SINGLE LINE – WIRE ROPE SIZE-5/8"  
DOUBLE LINE – WIRE ROPE SIZE-1/2"

**3<sup>3</sup>/<sub>4</sub>  
TON**



## BASE MOUNTING



## WALL MOUNTING

See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.



## WINCHES

SINGLE LINE – WIRE ROPE SIZE-5/8"

DOUBLE LINE – WIRE ROPE SIZE-1/2"

33-128

# H4 H3 H3

## PRODUCT NUMBERS AND CLEARANCES

Drum (a) Winding Capacity		Mtg.	Wire Rope Speed						DD		EE	
				60	60-20	60	80	100				
			Winch Control	Single Speed	Two Speed	Variable Speed	Variable Speed	Variable Speed				
			HP	15	15-5	15	20	25				
82 30	Base			3615860	3615920	3615980	3616040	3616100	15-1/4		15-3/4	
		B		33-3/8	34-7/8	34-5/8	34-5/8	36-1/8				
		C		38-1/4	38-1/4	38-1/4	38-1/4	38-1/4				
118 50	Base			3615870	3615930	3615990	3616050	3616110	18-1/4		18-3/4	
		B		36-3/8	37-7/8	37-5/8	37-5/8	39-1/8				
		C		41-1/4	41-1/4	41-1/4	41-1/4	41-1/4				
153 71	Base			3615880	3615940	3616000	3616060	3616120	21-1/4		21-3/4	
		B		39-3/8	40-7/8	40-5/8	40-5/8	42-1/8				
		C		44-1/4	44-1/4	44-1/4	44-1/4	44-1/4				
187 91	Base			3615890	3615950	3616010	3616070	3616130	24-1/4		24-3/4	
		B		42-3/8	43-7/8	43-5/8	43-5/8	45-1/8				
		C		47-1/4	47-1/4	47-1/4	47-1/4	47-1/4				
256 132	Base			3615900	3615960	3616020	3616080	3616140	30-1/4		30-3/4	
		B		48-3/8	49-7/8	49-5/8	49-5/8	51-1/8				
		C		53-1/4	53-1/4	53-1/4	53-1/4	53-1/4				
325 172	Base			3615910	3615970	3616030	3616090	3616150	36-1/4		36-3/4	
		B		53-1/2	54-3/8	54-3/4	55-5/8	57-1/8				
		C		59-1/4	59-1/4	59-1/4	59-1/4	59-1/4				

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

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ELECTRIC WINCHES**

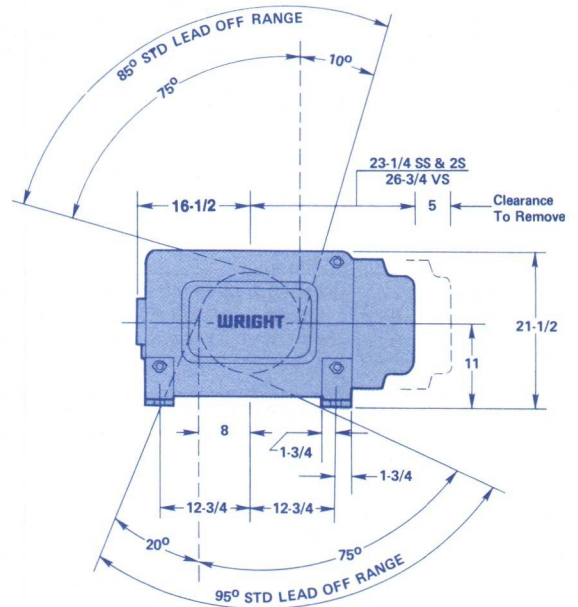
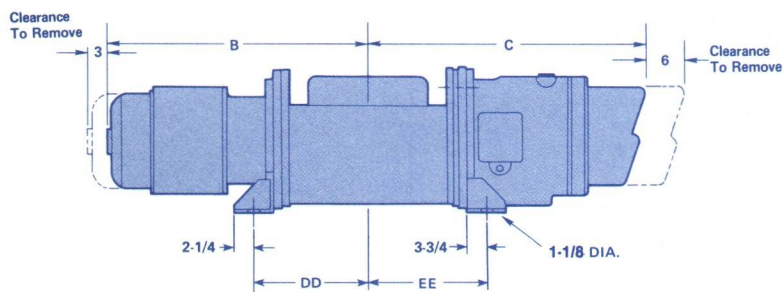
33-129 Issued 7-1-87

**WINCHES**

**SINGLE LINE – WIRE ROPE SIZE-5/8"**

**DOUBLE LINE – WIRE ROPE SIZE-1/2"**

**33/4  
TON**



See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

**5  
TON****WINCHES**

SINGLE LINE – WIRE ROPE SIZE-3/4"

DOUBLE LINE – WIRE ROPE SIZE-9/16"

33-130

**H4 H3 H3****PRODUCT NUMBERS AND CLEARANCES**

Drum (a) Winding Capacity		Mtg.	Wire Rope Speed							
			Winch Control	40	40-20	40	60	80	DD	EE
				Single Speed	Two Speed	Variable Speed	Variable Speed	Variable Speed		
		HP	15*	15-7-1/2**	15*	20	25			
67 26	Base		3616160	3616220	3616280	3616340	3616400	15-1/4	15-3/4	
		B	33-3/8	34-7/8	34-5/8	34-5/8	36-1/8			
		C	38-1/4	38-1/4	38-1/4	38-1/4	38-1/4			
95 45	Base		3616170	3616230	3616290	3616350	3616410	18-1/4	18-3/4	
		B	36-3/8	37-7/8	37-5/8	37-5/8	39-1/8			
		C	41-1/4	41-1/4	41-1/4	41-1/4	41-1/4			
	Base		3616180	3616240	3616300	3616360	3616420	21-1/4	21-3/4	
		B	39-3/8	40-7/8	40-5/8	40-5/8	42-1/8			
		C	44-1/4	44-1/4	44-1/4	44-1/4	44-1/4			
151 83	Base		3616190	3616250	3616310	3616370	3616430	24-1/4	24-3/4	
		B	42-3/8	43-7/8	43-5/8	43-5/8	45-1/8			
		C	47-1/4	47-1/4	47-1/4	47-1/4	47-1/4			
208 121	Base		3616200	3616260	3616320	3616380	3616440	30-1/4	30-3/4	
		B	48-3/8	49-7/8	49-5/8	49-5/8	51-1/8			
		C	53-1/4	53-1/4	53-1/4	53-1/4	53-1/4			
265 159	Base		3616210	3616270	3616330	3616390	3616450	36-1/4	36-3/4	
		B	54-3/8	55-7/8	55-5/8	55-5/8	57-1/8			
		C	59-1/4	59-1/4	59-1/4	59-1/4	59-1/4			

All dimensions in inches.

Controls are shipped loose, mounting and final wiring by others at destination.

- (a) Maximum drum winding capacity is given with two remaining wraps of rope on drum.  
Drum winding capacities shown in smaller type are for double line winch.

\* 1200 RPM MOTORS

\*\*1200/600 RPM MOTORS

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**WRIGHT® Work-rated  
ELECTRIC WINCHES**

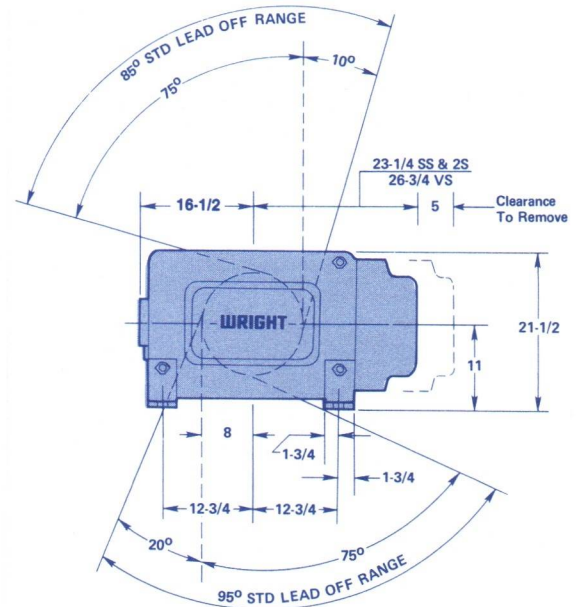
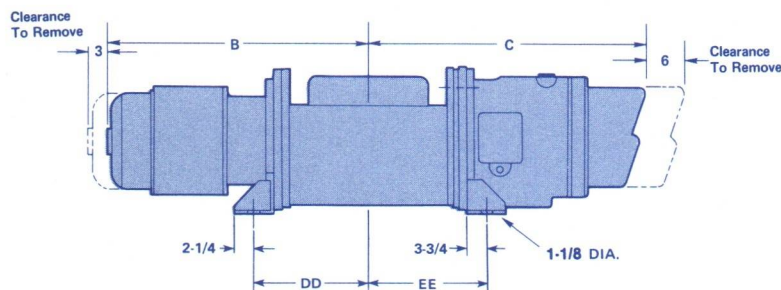
33-131 Issued 7-1-87

**WINCHES**

**SINGLE LINE – WIRE ROPE SIZE-3/4"**

**DOUBLE LINE – WIRE ROPE SIZE-9/16"**

**5  
TON**



See facing page for additional dimensions. All dimensions shown in inches.

See page 33-102 for additional important information.

**WARNING:** Equipment described herein is not designed for, and should not be used for, lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.



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